AIRTECH

INTERNATIONAL INC.

Vacuum Bagging & Composite Tooling Materials

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Section Guide

BAGGING FILMS

Name	Description	Maximum use temperature	Elongation at break	Color	Page
Airdraw 2	Polyamide compound	250°F (121°C)	450 %	Pink	1
Big Blue L-100	Polyolefin, multi-layer	250°F (121°C)	350 %	Blue	2
Securlon® V-45	Multi-layer	340°F (171°C)	400 %	Translucent purple	3
Securlon® L-500Y	Nylon, multi-layer	340°F (171°C)	350 %	Yellow	4
Securlon® L-1000	Nylon, multi-layer	400°F (204°C)	500 %	Purple	5
Securlon® L-2000	Nylon, multi-layer	425°F (218°C)	450 %	Blue	6
Stretchlon® 200	Thermoplastic elastomer	250°F (121°C)	500 %	Green	7
Stretchlon® HT-350	Thermoplastic elastomer	325°F (162°C)	>550 %	Grey	8
Stretchlon® 700	Thermoplastic elastomer	385°F (195°C)	500 %	Cream	9
Stretchlon® 800	Nylon	400°F (204°C)	450 %	Orange	10
Stretchlon® 850	Nylon	400°F (204°C)	450 %	Orange	11
Ipplon® KM1300	Nylon	414°F (212°C)	450 %	Pink	12
Ipplon® DP1000	Nylon	414°F (212°C)	450 %	Salmon pink	13
Ipplon® DPT1000	Nylon	475°F (246°C)	375 %	Orange	14
Ipplon® WN1500	Nylon	475°F (246°C)	375 %	Blue	15
Econolon	Nylon	300°F (149°C)	375 %	Clear	16
Wrightlon® 5400	Nylon	356°F (180°C)	375 %	Clear	17
Wrightlon® 6400	Nylon	400°F (204°C)	375 %	Yellow	18
Wrightlon® 600V	Nylon	400°F (204°C)	400 %	Violet	19
Wrightlon® 7400	Nylon	400°F (204°C)	400 %	Green	20
Wrightlon® 8400	Nylon	450°F (232°C)	350 %	Blue	21
Dahlar® Release Bag 125	Polyolefin, multi-layer	285°F (140°C)	400 %	Green	22
Dahlar® Release Bag 375	Nylon, polyolefin, multi-layer	311°F (155°C)	475 %	Red	23
Dahlar® Release Bag 460	PMP, nylon, multi-layer	374°F (190°C)	425 %	Clear opaque	24
Dahlar® Release Bag 500	ETFE, Nylon, multi-layer	446°F (230°C)	400 %	Red	25
Thermalimide	Polyimide	799°F (426°C)	80 %	Amber	26

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Section Guide

BAGGING FILMS

Name	Description	Maximum use temperature	Elongation at break	Color	Page
Hydrate bagging films	-	-	-	-	27
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Data Sheet

AIRDRAW 2

Embossed vacuum bag designed for rapid air removal

DESCRIPTION

Airdraw 2 vacuum bagging film is embossed with a "cracked ice" pattern which allows for rapid air removal when placed under vacuum. The film has been formulated to provide increased stiffness to assist in maintaining a breathable pattern

Airdraw 2 is not affected by environmental conditions and will not soften in high humidity, allowing superior breathability. It is designed primarily for ply compaction with the added benefits of not requiring a breather. It is embossed from one side of the film, under close examination; the film has a flat side and a raised side. The outer surface of the roll is the raised side. For best results, place the raised side against the part surface on top of a perforated release film.

BENEFITS

- Embossed pattern provides network of air passageways, eliminating need for separate layer of breather.
- Improved stiffer formula keeps air path open resulting in better vacuum levels, faster.
- Wide width makes compacting large parts even faster with no seams required.

TECHNICAL DATA

		Test method
Material type	Polyamide compound	
Elongation at break	450 %	ASTM D 882
Tensile strength	8000 psi (55 MPa)	ASTM D 882
Maximum use temperature	250°F (121°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Pink	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Length	Weight / Roll	Forms Available*
0.003 inch (75 µm)	60 inches (1.52 m)	650 feet (198 m)	60 lbs (27 kg)	SHT
0.003 inch (75 µm)	120 inches (3.05 m)	650 feet (198 m)	119 lbs (54 kg)	SHT
0.003 inch (75 µm)	157 inches (3.99 m)	650 feet (198 m)	156 lbs (70.6 kg)	SHT

- Custom shapes and sizes are available, please contact Airtech for more information.

* SHT = sheeting

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a demo video of Airdraw 2 in the "Media Center" on our website.

Last updated : 2019-09-09

Catalog position : Bagging films

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BIG BLUE L-100

Inexpensive, low temperature multi-layer bagging film

DESCRIPTION

Big Blue L-100 vacuum bag film is a multi-layer film for applications where a wide film is required. It is suitable for resin infusion and wet lay-up where the cure temperature does not exceed 250°F (121°C).

BENEFITS

- Super wide films save time spent seaming film when bagging large parts.
- Wider films reduce risk of scrap parts due to leaky film seams.
- Inexpensive film reduces vacuum bagging costs.

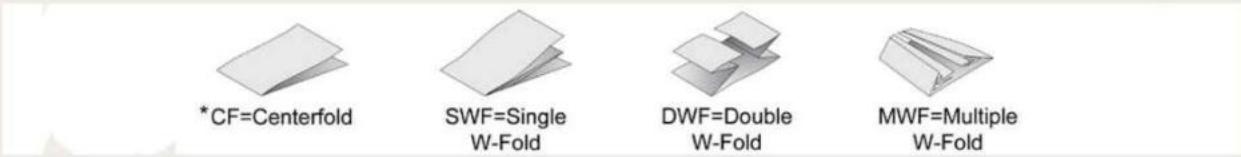
TECHNICAL DATA

		Test method
Material type	Polyolefin, multi-layer	
Elongation at break	350 %	ASTM D 882
Tensile strength	3100 psi (21 MPa)	ASTM D 882
Maximum use temperature	250°F (121°C)	
Flammability (self extinguishing)	No	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Blue	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.003 inch (75 µm)	up to 52.5 feet (16 m)	varies

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.
- Maximum width of 52.5 feet (16 m) is available special order, subject to a minimum order quantity.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Center" on our website.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

SECURLON® V-45

Economical vacuum bagging film for commercial autoclave processing

DESCRIPTION

Securlon® V-45 is designed for commercial applications that utilize higher temperature and higher pressure cure cycles. It is ideally suited for high performance automotive applications where autoclave processing is required and transportation interiors that commonly use phenolic prepregs.

BENEFITS

- Reduce scrap due to blown bags with use of this phenolic resistant bag film.
- Good elongation reduces bridging resulting in less rework due to low pressure in corners.
- Inexpensive film reduces costs compared to other high temperature films.

TECHNICAL DATA

		Test method
Material type	Multi-layer	
Elongation at break	400 %	ASTM D 882
Tensile strength	6500 psi (45 MPa)	ASTM D 882
Maximum use temperature	340°F (171°C)	
Flammability (self extinguishing)	No	ATP-5034
Materials to avoid	Compatible with most resin systems	
Color	Translucent purple	
Shelf Life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 180 inches (4.57 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 180 inches (4.57 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

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Data Sheet

SECURLON® L-500Y

Economical multi-layer vacuum bagging film

DESCRIPTION

Securlon® L-500Y vacuum bag is a wide multi-layer extruded film providing multiple layers of safety. These layers reduce the concerns for "pinholes", weak spots, brittleness and inconsistency in films. It is strong, has a high elongation and is suitable for cure temperature up to 340°F (171°C). Securlon® L-500Y is not recommended for autoclave applications.

BENEFITS

- Wide films save time and money spent seaming film for large parts.
- Wider films reduce risk of scrap parts due to leakage at seams.
- Reduce scrap risk due to vacuum loss with multi-layered vacuum security.

TECHNICAL DATA

		Test method
Material type	Nylon, multi-layer	
Elongation at break	350 %	ASTM D 882
Tensile strength	5000 psi (34 MPa)	ASTM D 882
Maximum use temperature	340°F (171°C)	
Flammability (self extinguishing)	No	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Yellow	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 315 inches (8.00 m)	SHT (Folded), CF, LFT, GT, G
0.0025 inch (63.5 µm)	up to 315 inches (8.00 m)	SHT (Folded), CF, LFT, GT, G
0.003 inch (75 µm)	up to 300 inches (7.62 m)	SHT (Folded), CF, LFT, GT, G

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.
- Form availability varies by size.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Center" on our website.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

SECURLON® L-1000

Multi-layer vacuum bagging film

DESCRIPTION

Securlon® L-1000 vacuum bag film is a multi-layer extruded film providing multiple layers of safety. These layers reduce the concerns for "pinholes", weak spots, brittleness and inconsistency in films. It is strong, has a high elongation capability and a temperature resistance up to 400°F (204°C). Securlon® L-1000 vacuum bag film is the most secure nylon film made for high value laminate constructions.

BENEFITS

- Reduce scrap risk with multi-layered vacuum security against defects.
- Super strength multi-layer construction reduces bag failure costs.
- Part quality and consistency improves with better pressure application.

TECHNICAL DATA

		Test method
Material type	Nylon, multi-layer	
Elongation at break	500 %	ASTM D 882
Tensile strength	12,000 psi (82 MPa)	ASTM D 882
Maximum use temperature	400°F (204°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Purple	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 280 inches (7.11 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Center" on our website.

Last updated : 2019-01-30

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Data Sheet

SECURLON® L-2000

Multi-layer vacuum bagging film

DESCRIPTION

Securlon® L-2000 vacuum bag film is a multi-layer extruded film providing multiple layers of safety. These layers reduce the concerns for "pinholes", weak spots, brittleness and inconsistency in films. It is strong, has a high elongation capability and a temperature resistance up to 425°F (218°C).

BENEFITS

- Reduce scrap risk with multi-layered vacuum security against defects.
- Part quality and consistency improves with better pressure application.
- Highly reliable film for high temperature cures, safeguarding expensive parts.

TECHNICAL DATA

		Test method
Material type	Nylon, multi-layer	
Elongation at break	450 %	ASTM D 882
Tensile strength	9000 psi (62 MPa)	ASTM D 882
Maximum use temperature	425°F (218°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Strong oxidizers	
Color	Blue	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 180 inches (4.57 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 180 inches (4.57 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- Available embossed for compaction applications.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

STRETCHLON® 200

Bagging film with the high elongation

DESCRIPTION

Stretchlon® 200 vacuum bag film is a high elongation elastomeric film which can be used for cures up to 250°F (121°C) and debulking operations. When parts with multiple contours are vacuum bagged, Stretchlon® 200 is an excellent choice as the high elongation will stretch into complex features. This film is not affected by low humidity environment. It is recommended for cures with epoxy and phenolic resins.

BENEFITS

- Save time bagging with less pleating, as film stretches over complex shapes.
- High elongation reduces bridging in corners and rework due to low pressure.
- Unaffected by low humidity, film is always in good condition.

TECHNICAL DATA

		Test method
Material type	Thermoplastic elastomer	
Elongation at break	500 %	ASTM D 882
Tensile strength	8000 psi (55 MPa)	ASTM D 882
Maximum use temperature	250°F (121°C)	
Materials to avoid	Bismaleimide (BMI)/ Polyester and vinyl ester	
Color	Green	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Length	Weight / Roll	Forms Available*
0.0015 inch (38 µm)	60 inches (1.52 m)	2000 feet (610 m)	86 lbs (39 kg)	SHT
0.0015 inch (38 µm)	120 inches (3.05 m)	1000 feet (305 m)	86 lbs (39 kg)	CF to 60 inches (1.52 m)

- Custom shapes and sizes are available, please contact Airtech for more information.

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

NOTES

- Sale and use of the product covered by US Patent No. 5123985.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a demo video of Stretchlon® 200 in the "Media Center" on our website.

Last updated : 2019-01-30

Catalog position : Bagging films

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STRETCHLON® HT-350

High temperature, high elongation vacuum bagging film

DESCRIPTION

Stretchlon® HT-350 is a higher temperature version of Stretchlon® 200. It can be used with all standard epoxy resin systems. The very high elongation makes this film easy to use on contour lay-ups and is an excellent choice for ply compaction. It is not recommended for autoclave processing. This film is not affected by low humidity conditions.

BENEFITS

- Save time bagging with fewer pleats as film stretches over complex shapes.
- Avoid rework of resin rich corners by reducing bridging in corners.
- Single choice high elongation film for compaction and mid-range curing.

TECHNICAL DATA

		Test method
Material type	Thermoplastic elastomer	
Elongation at break	>550 %	ASTM D 882
Tensile strength	9000 psi (62 MPa)	ASTM D 882
Maximum use temperature	325°F (162°C)	
Materials to avoid	Bismaleimide (BMI)/ Polyester and vinyl ester	
Color	Grey	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Length	Weight / Roll	Forms Available*
0.003 inch (75 µm)	120 inches (3.05 m)	750 feet (229 m)	134 lbs (60.8 kg)	CF to 60 inches (1.52 m)

- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific. When application does not require vacuum integrity for Stretchlon HT-350 it can be used for temperatures up to 370°F (187°C), Airtech recommends testing prior to use.

Last updated : 2019-01-30
Catalog position : Bagging films

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Data Sheet

STRETCHLON® 700

Bagging film with an excellent flexibility

DESCRIPTION

Stretchlon® 700 vacuum bag film is a high elongation elastomeric film which is designed for cures up to 385°F (195°C). It is particularly suitable for applications where softness and elongation are required. The risk of bridging in the corners is highly reduced due to the elasticity of the film. This film stays soft even in a very low humidity environment. Stretchlon® 700 is recommended for cures with phenolic and epoxy resins.

BENEFITS

- High elongation film avoids bridging in corners and improves part quality.
- Chemically resistant film avoids blown bags with aggressive resins.
- Avoid cost of scrap and rework on complex phenolic parts.

TECHNICAL DATA

		Test method
Material type	Thermoplastic elastomer	
Elongation at break	500 %	ASTM D 882
Tensile strength	6500 psi (45 MPa)	ASTM D 882
Maximum use temperature	385°F (195°C)	
Materials to avoid	Bismaleimide (BMI) / Polyester and vinyl ester	
Color	Cream	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Length	Weight / Roll	Forms Available*
0.003 inch (75 µm)	60 inches (1.52 m)	1000 feet (305 m)	97 lbs (44 kg)	SHT
0.003 inch (75 µm)	120 inches (3.05 m)	500 feet (152 m)	97 lbs (44 kg)	CF to 60 inches (1.52 m)

- Custom shapes and sizes are available, please contact Airtech for more information.

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

NOTES

- Sale and use of the product covered by US Patent No. 5123985.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a demo video of Stretchlon® 700 in the "Media Center" on our website.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

STRETCHLON® 800

Soft, flexible nylon bagging film

DESCRIPTION

Stretchlon® 800 vacuum bag film has the highest elongation from all nylon films and is suitable for cure temperatures up to 400°F (204°C). When parts with multiple contours are vacuum bagged, Stretchlon® 800 is a good choice offering to stretch into most areas. This film is designed to remain more flexible than standard nylon films in low humidity conditions. Stretchlon® 800 is recommended for epoxy and BMI resins.

BENEFITS

- Soft film is unaffected by low humidity, avoiding brittle film bag damage and vacuum loss.
- High elongation film stretches into complex shapes applying full pressure, improving part quality.
- Film is easier to work with and requires no conditioning, reducing time and cost of bagging.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	450 %	ASTM D 882
Tensile strength	10,000 psi (69 MPa)	ASTM D 882
Maximum use temperature	400°F (204°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Orange	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 140 inches (3.56 m)	SHT, CF

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

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STRETCHLON® 850

High flexible bagging film

DESCRIPTION

Stretchlon® 850 is a high elongation film in tube form with a good softness which will conform to complex contours. This film is designed to remain more flexible than standard nylon films in low humidity conditions. Stretchlon® 850 is recommended for epoxy and BMI resins.

BENEFITS

- High stretch tubular film reduces time envelope bagging complex parts without bridging.
- Better part quality with film stretching to apply full pressure over complex shapes.
- Single choice film for internal bladder bagging and external envelope bagging.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	450 %	ASTM D 882
Tensile strength	10,000 psi (69 MPa)	ASTM D 882
Maximum use temperature	400°F (204°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Orange	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	from 2 inches (0.05 m) to 160 inches (4.06 m)	SHT, LFT, CF
0.003 inch (75 µm)	from 2.5 inches (0.06 m) to 80 inches (2.03 m)	LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

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Data Sheet

IPPLON® KM1300

Soft nylon film with a high elongation

DESCRIPTION

Ipplon® KM1300 is a vacuum bagging film with a good elongation and is suitable for cure temperatures up to 414°F (212°C). It is recommended for bagging applications where a higher softness is required. An excellent film for autoclave use or resin infusion.

BENEFITS

- Softness and good elongation makes bagging easier and faster to complete, reducing labor cost.
- Wider film means fewer seams for safer high temperature cures of large parts in shorter cycle times.
- Good elongation reduces bridging in corners and so less rework due to resin rich corners.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	450 %	ASTM D 882
Tensile strength	7000 psi (48 MPa)	ASTM D 882
Maximum use temperature	414°F (212°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Pink	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 354 inches (9.00 m)	SHT, CF, LFT, GT, G
0.003 inch (75 µm)	up to 354 inches (9.00 m)	SHT, CF, LFT, GT, G

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Center" on our website.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

IPPLON® DP1000

Soft nylon film with an excellent elongation

DESCRIPTION

Ipplon® DP1000 is a vacuum bagging film with a high elongation and is suitable for cure temperatures up to 414°F (212°C). It is recommended for bagging applications where a higher softness is required.

BENEFITS

- Softness and high elongation makes bagging easier and faster to complete, reducing labor cost.
- Wider film means less seams for safer high temperature cures of large parts in shorter cycle times.
- High elongation reduces bridging and rework due to resin rich corners.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	450 %	ASTM D 882
Tensile strength	7000 psi (48 MPa)	ASTM D 882
Maximum use temperature	414°F (212°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Salmon pink	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 354 inches (9.00 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 354 inches (9.00 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Center" on our website.

Last updated : 2019-01-30

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Data Sheet

IPPLON® DPT1000

High temperature nylon bagging film with a good elongation

DESCRIPTION

Ipplon® DPT1000 is a high temperature nylon film for cure temperatures up to 475°F (246°C). It can be used when high temperature and high pressure are required. It is the recommended material for cures with phenolic resins.

BENEFITS

- Heat resistance provides vacuum security during high temperature cures.
- Good elongation helps avoid bridging in corners that can result in blown bags or resin richness.
- High strength and chemical resistance reduces bag failures with aggressive phenolic resins.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	375 %	ASTM D 882
Tensile strength	9000 psi (62 MPa)	ASTM D 882
Maximum use temperature	475°F (246°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Strong oxidizers	
Color	Orange	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 180 inches (4.57 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 180 inches (4.57 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

IPPLON® WN1500

High temperature nylon bagging film with a good elongation

DESCRIPTION

Ipplon® WN1500 is a heat-stabilized nylon film for cure temperatures up to 475°F (246°C). It can be used when high temperature and high pressure are required. Ipplon® WN1500 is the recommended material for cures with phenolic resins.

BENEFITS

- Heat resistance provides vacuum security during high temperature cures.
- Good elongation helps avoid bridging in corners that can result in blown bags or resin richness.
- High strength and chemical resistance reduces bag failures with aggressive phenolic resins.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	375 %	ASTM D 882
Tensile strength	9000 psi (62 MPa)	ASTM D 882
Maximum use temperature	475°F (246°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Strong oxidizers	
Color	Blue	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 180 inches (4.57 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 180 inches (4.57 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

ECONOLON

Low temperature nylon vacuum bagging film

DESCRIPTION

Econolon is an inexpensive nylon bagging film for low temperature cures, compaction or debulking.

BENEFITS

- Low cost film reduces the cost of vacuum bagging.
- Can be used for compactions, debulking, and low temperature curing.
- Easy to work with, providing good vacuum levels for good quality parts.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	375 %	ASTM D 882
Tensile strength	7000 psi (48 MPa)	ASTM D 882
Maximum use temperature	300°F (149°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Clear	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Length	Weight/Roll	Forms Available*
0.0015 inch (38 µm)	60 inches (1.52 m)	1000 feet (305 m)	45 lbs (21 kg)	SHT
0.0015 inch (38 µm)	120 inches (3.05 m)	500 feet (152 m)	45 lbs (21 kg)	CF to 60 inches (1.52 m)

- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

WRIGHTLON® 5400

Nylon vacuum bagging film

DESCRIPTION

Wrightlon® 5400 is a nylon bagging film with good elongation for cure temperatures up to 356°F (180°C).

BENEFITS

- Inexpensive film with good heat resistance reduces the cost of curing.
- Wide range of available sizes means excess and film waste can be minimized.
- Easy to work with, providing good vacuum levels for good quality parts.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	375 %	ASTM D 882
Tensile strength	7000 psi (48 MPa)	ASTM D 882
Maximum use temperature	356°F (180°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Clear	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Widths	Forms Available*
0.002 inch (50 µm)	up to 280 inches (7.11 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 280 inches (7.11 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Center" on our website.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

WRIGHTLON® 6400

Nylon vacuum bagging film

DESCRIPTION

Wrightlon® 6400 is a nylon bagging film with a good elongation for cure temperatures up to 400°F (204°C).

BENEFITS

- Good elongation and strength reduces bridging and resin richness due to low pressure in corners.
- Wide range of available sizes means excess and film waste can be minimized.
- Good temperature resistance provides security during cure temperatures up to 400°F (204°C).

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	375 %	ASTM D 882
Tensile strength	8000 psi (55 MPa)	ASTM D 882
Maximum use temperature	400°F (204°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Yellow	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 280 inches (7.11 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 280 inches (7.11 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Center" on our website.

Last updated : 2019-01-30

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Data Sheet

WRIGHTLON® 600V

Low cost nylon vacuum bagging film

DESCRIPTION

Wrightlon® 600V vacuum bagging film is designed for low cost, commercial applications yet still performs with high pressure autoclave cure cycles. It has good elongation and stays soft in low humidity conditions.

BENEFITS

- Inexpensive film with good performance reduces the cost of commercial autoclave molding process.
- Good elongation and softness of film makes bagging easier and reduces cycle times.
- Combination of strength and elasticity improves part quality, reduces rework, and scrap.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	400 %	ASTM D 882
Tensile strength	9427 psi (65 MPa)	ASTM D 882
Maximum use temperature	400°F (204°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Violet	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 280 inches (7.11 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 260 inches (6.60 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

WRIGHTLON® 7400

Vacuum bagging film

DESCRIPTION

Wrightlon® 7400 is a high temperature nylon film with high elongation which is suitable for cure temperatures up to 400°F (204°C). It is also offered with our embossed, cracked ice pattern making it a breather, release film and vacuum bag all-in-one.

BENEFITS

- Proven performance with approvals on specifications worldwide for a range of applications.
- Good strength and elongation provides good pressure applications for better quality parts.
- Large range of available sizes and formats reduces waste materials and trimming time costs.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	400 %	ASTM D 882
Tensile strength	8000 psi (55 MPa)	ASTM D 882
Maximum use temperature	400°F (204°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Color	Green	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 354 inches (9.00 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 354 inches (9.00 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Center" on our website.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

WRIGHTLON® 8400

Nylon vacuum bagging film

DESCRIPTION

Wrightlon® 8400 is a high temperature nylon vacuum bagging film with more than 30 years worldwide proven performance. It is called out on many aerospace specifications for use temperatures up to 450°F (232°C). It is recommended for cures with phenolic resins.

BENEFITS

- Heat resistance provides vacuum security during high temperature cures of expensive parts.
- Proven performance and approvals on specifications worldwide gained over more than 30 years.
- High strength and chemical resistance reduces bag failures with aggressive phenolic resins.

TECHNICAL DATA

		Test method
Material type	Nylon	
Elongation at break	350 %	ASTM D 882
Tensile strength	9000 psi (62 MPa)	ASTM D 882
Maximum use temperature	450°F (232°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	Strong oxidizers	
Color	Blue	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.002 inch (50 µm)	up to 144 inches (3.66 m)	SHT, CF, LFT
0.003 inch (75 µm)	up to 180 inches (4.57 m)	SHT, CF, LFT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30
Catalog position : Bagging films

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Data Sheet

DAHLAR® RELEASE BAG 125

Economical vacuum bag with excellent release properties

DESCRIPTION

Dahlar® Release Bag 125 is an economical film designed for both vacuum bagging and release applications. It can be used for cures up to 285°F (140°C) and will release from most resins associated with aerospace, marine, and recreational products. This formulation has improved tear resistance and elongation over products previously offered as low temperature, multiple process films.

Dahlar® Release Bag 125 (0.001 inch or 25 µm) is the ideal release film for polyester or vinyl ester resins as well as epoxies and phenolics. See the release film section. It is also offered with our embossed, cracked ice pattern making it a breather, release film and vacuum bag all-in-one.

BENEFITS

- Reduce inventory cost with economical single choice film option for use as bag or release film.
- Tough, strong, and good elongation make bagging much easier than with other low cost products.
- Embossed version makes compaction and debulking faster and cheaper.

TECHNICAL DATA

		Test method
Material type	Polyolefin, multi-layer	
Elongation at break	400 %	ASTM D 882
Tensile strength	9400 psi (65 MPa)	ASTM D 882
Maximum use temperature	285°F (140°C)	
Materials to avoid	Compatible with most resin systems	
Color	Green	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
from 0.001 to 0.003 inch (25 - 75 µm)	up to 260 inches (6.6 m)	SHT, CF, LFT
from 0.002 to 0.003 inch (50 - 75 µm)	up to 157 inches (4.0 m)	SHT (Embossed Film)

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a demo video of Dahlar® Release Bag 125 in the "Media Center" on our website.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

DAHLAR® RELEASE BAG 375

Multi-layer self releasing tubular bagging film

DESCRIPTION

Dahlar® Release Bag 375 is a self releasing multi-layer bagging film for direct contact with prepreg for fabrication of hollow parts such as bicycle components, fishing rods, masts, etc. It exhibits superior strength, temperature resistance and vacuum integrity of Airtech's multi-layer film technology. Dahlar® Release Bag 375 exhibits excellent release off epoxy and polyester resins.

This product is also available in gusseted tubing (GT).Thanks to the gusset folding, the Dahlar® Release Bag 375 is easier to position accurately in hollow parts. Upon application of pressure the bag will easily expand to fit to the shape of the part which is very useful in applications where there are variations in the part diameter. This development ensures even application of internal pressure in cases of small diameter parts, where the insertion of a standard lay flat tube bagging film can be problematic.

BENEFITS

- Multi-layer construction combines release and vacuum performance in a single material.
- Easier to position accurately in hollow sections, reduces cycle time, and improves quality.
- Easier to remove after cure reducing cycle time.

TECHNICAL DATA

		Test method
Material type	Nylon, polyolefin, multi-layer	
Elongation at break	475 %	ASTM D 882
Tensile strength	5800 psi (40 MPa)	ASTM D 882
Maximum use temperature	311°F (155°C)	
Materials to avoid	Compatible with most resin systems	
Color	Red	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.0027 inch (70 µm)	up to 12 inches (0.305 m)	LFT, GT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

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Data Sheet

DAHLAR® RELEASE BAG 460

High temperature self releasing tubular bagging film

DESCRIPTION

Dahlar® Release Bag 460 is a self releasing multi-layer bagging film for direct contact with prepreg for fabrication of hollow parts. It exhibits superior strength, temperature resistance and vacuum integrity of Airtech's multi-layer film technology. Dahlar® Release Bag 460 exhibits excellent release off epoxy resins.

This product is also available in gusseted tubing (GT). Thanks to the gusset folding, Dahlar® Release Bag 460 is easier to position accurately in hollow parts. Upon application of pressure the bag will easily expand to fit to the shape of the part which is very useful in applications where there are variations in the part diameter. This development ensures even application of internal pressure in cases of small diameter parts, where the insertion of a standard lay flat tube bagging film can be problematic.

BENEFITS

- Multi-layer construction combines release and vacuum performance in a single material.
- Easier to position accurately in hollow section, reduces cycle time, and improves quality.
- Easier to remove after cure reducing cycle time.

TECHNICAL DATA

		Test method
Material type	PMP, nylon, multi-layer	
Elongation at break	425 %	ASTM D 882
Tensile strength	8700 psi (60 MPa)	ASTM D 882
Maximum use temperature	374°F (190°C)	
Materials to avoid	Polyester and vinyl ester resins	
Color	Clear opaque	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.0027 inch (70 µm)	up to 12 inches (0.305 m)	LFT, GT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

DAHLAR® RELEASE BAG 500

High temperature self releasing tubular bagging film

DESCRIPTION

Dahlar® Release Bag 500 is a self releasing multi-layer bagging film for direct contact with prepreg for fabrication of hollow parts. It exhibits superior strength, temperature resistance and vacuum integrity of Airtech's multi-layer film technology. This product exhibits excellent release of epoxy and polyester resins.

This product is also available in gusseted tubing (GT). Thanks to the gusset folding, Dahlar® Release Bag 500 is easier to position accurately in hollow parts. Upon application of pressure the bag will easily expand to fit to the shape of the part which is very useful in applications where there are variations in the part diameter. This development ensures even application of internal pressure in cases of small diameter parts, where the insertion of a standard lay flat tube bagging film can be problematic.

BENEFITS

- Multi-layer construction combines release and vacuum performance in a single material.
- Easier to position accurately in hollow section, reduces cycle time, and improves quality.
- Easier to remove after cure reducing cycle time.

TECHNICAL DATA

		Test method
Material type	ETFE, Nylon, multi-layer	
Elongation at break	400 %	ASTM D 882
Tensile strength	8700 psi (60 MPa)	ASTM D 882
Maximum use temperature	446°F (230°C)	
Materials to avoid	Compatible with most resin systems	
Color	Red	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Forms Available*
0.0027 inch (70 µm)	up to 8 inches (0.203 m)	LFT, GT

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

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Data Sheet

THERMALIMIDE

Ultra high temperature bagging film

DESCRIPTION

Thermalimide is a high performance bagging film for cure temperatures up to 799°F (426°C).

BENEFITS

- High temperature resistance enables vacuum bagging for extremely high temperature applications.
- Flexibility for applying pressure over simple contoured shapes.
- Superior toughness of film in comparison to metallic foils helps avoid bag tearing.

TECHNICAL DATA

		Test method
Material type	Polyimide	
Elongation at break	80 %	ASTM D 882
Tensile strength	35,000 psi (240 MPa)	ASTM D 882
Maximum use temperature	799°F (426°C)	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	None	
Color	Amber	
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)	

SIZES

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	60 inches (1.52 m)	255 feet (78 m)	21 lbs (9.5 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	510 feet (155 m)	42 lbs (19 kg)	SHT

- Custom shapes and sizes are available, please contact Airtech for more information.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-01-30

Catalog position : Bagging films

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Data Sheet

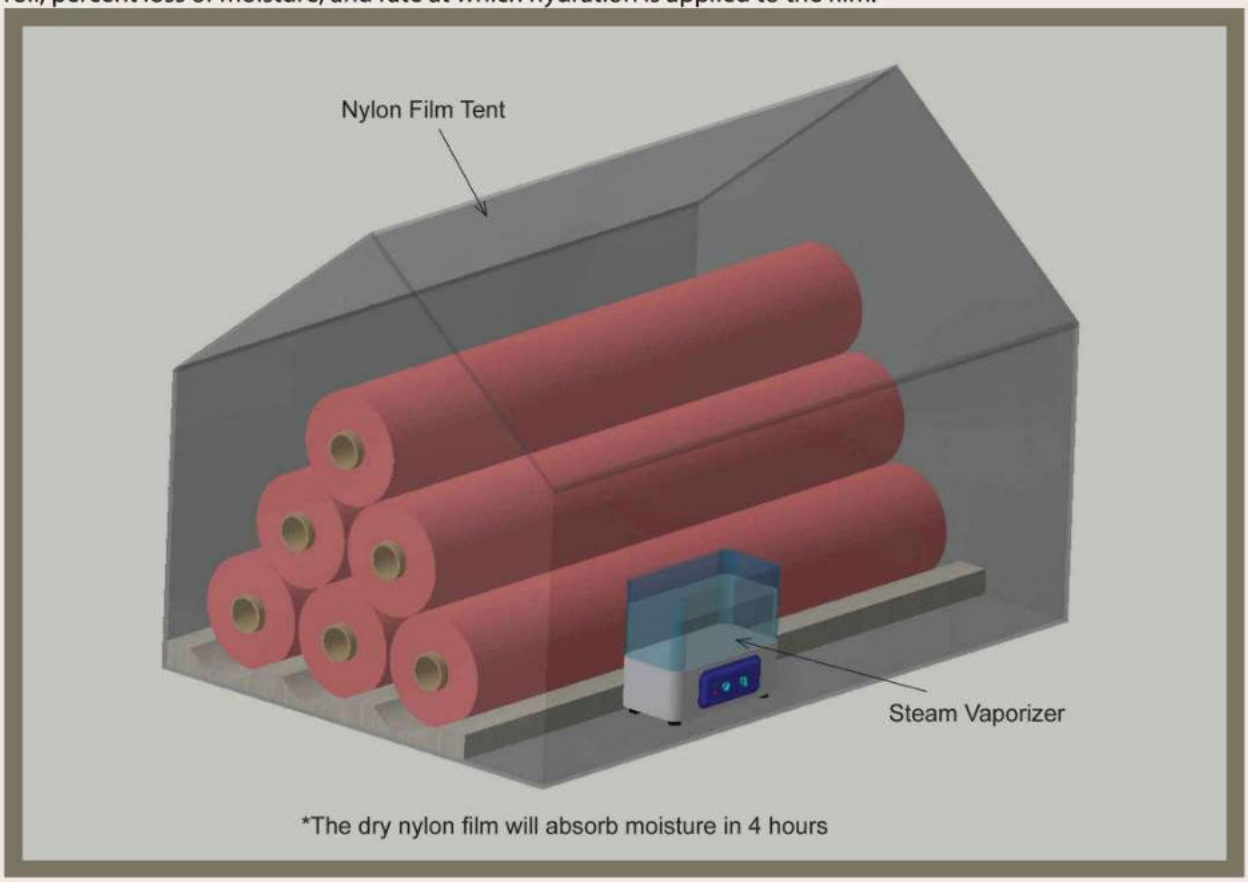
HYDRATE BAGGING FILMS

How to make nylon film be soft and flexible if it lose moisture

DESCRIPTION

Moisture is the plasticizer in nylon. If you lose the moisture that was put in the film at the time of the manufacturer, the film becomes brittle. For most nylon film, the relative humidity (RH) at 55% will retain the original moisture. Any RH under 55% will start immediate moisture loss. At 40% RH, standard nylon film can lose its moisture in 24 hours. At 40% RH, Ipplon and Wrightlon will hold their moisture for 3 weeks due to blocking agents that stop moisture migration. Best procedure is to store all nylon film at 55% RH or higher.

If you experience dry bagging film due to excessive time in low humidity environments (under 50%), below is a diagram of how to re-hydrate the film. The time to add moisture back to nylon film is dependent on the size of roll, percent loss of moisture, and rate at which hydration is applied to the film.



*The dry nylon film will absorb moisture in 4 hours

Last updated : 2016-01-14

Catalog position : Bagging films

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Data Sheet

RESIN COMPATIBILITY

Vacuum bag film selection guide

NOTE

The following guideline is intended for reference only. Airtech cannot control processing parameters or test all the materials available. Vacuum bagging film samples are available. Risk reduction panel testing is strongly recommended. Film selection should be based on temperature requirement.

Maximum Use Temperature	Bagging Films	Resin Type				
		Epoxy	Polyester and Vinyl ester	Phenolic	Bismaleimide BMI	Cyanate Ester
250°F (121°C)	Securlon® Big Blue L-100	✓	✓	X	X	X
250°F (121°C)	Stretchlon® 200	✓	X	✓	X	✓
250°F (121°C)	Airdraw 2	✓	✓	X	✓	✓
285°F (140°C)	Dahlar® Release Bag 125	✓	✓	✓	✓	✓
311°F (155°C)	Dahlar® Release Bag 375	✓	✓	✓	X	X
325°F (162°C)	Stretchlon® HT-350	✓	X	✓	✓	✓
340°F (171°C)	Securlon® V-45	✓	✓	✓	X	X
340°F (171°C)	Securlon® L-500Y	✓	✓	X	✓	✓
350°F (177°C)	Econolon	✓	✓	X	✓	✓
350°F (177°C)	Wrightlon® 5400	✓	✓	X	✓	✓
374°F (190°C)	Dahlar® Release Bag 460	✓	X	✓	✓	✓
385°F (195°C)	Stretchlon® 700	✓	X	✓	X	✓
400°F (204°C)	Wrightlon® 600V	✓	✓	X	✓	✓
400°F (204°C)	Securlon® L-1000	✓	✓	X	✓	✓
400°F (204°C)	Stretchlon® 800	✓	✓	X	✓	✓
400°F (204°C)	Stretchlon® 850	✓	✓	X	✓	✓
400°F (204°C)	Wrightlon® 6400	✓	✓	X	✓	✓
400°F (204°C)	Wrightlon® 7400	✓	✓	X	✓	✓
414°F (212°C)	Ipplon® KM1300	✓	✓	X	✓	✓
414°F (212°C)	Ipplon® DP1000	✓	✓	X	✓	✓
425°F (218°C)	Securlon® L-2000	✓	✓	✓	✓	✓
446°F (230°C)	Dahlar® Release Bag 500	✓	✓	✓	✓	✓
450°F (232°C)	Wrightlon® 8400	✓	✓	✓	✓	✓
475°F (246°C)	Ipplon® DPT1000	✓	✓	✓	✓	✓
475°F (246°C)	Ipplon® WN1500	✓	✓	✓	✓	✓
799°F (426°C)	Thermalimide	✓	✓	✓	✓	✓

Key
✓ Compatible
X Avoid

Last updated : 2015-12-11

Catalog position : Bagging films

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Data Sheet

COMMONLY USED SIZES

Bagging Films

BIG BLUE L-100

Thickness	Width	Length	Weight/Roll	Forms Available*
0.003 inch (75 µm)	13 feet (4 m)	541 feet (165 m)	112 lbs (51 kg)	CF
0.003 inch (75 µm)	20 feet (6 m)	361 feet (110 m)	115 lbs (52 kg)	SWF
0.003 inch (75 µm)	26 feet (8 m)	272 feet (83 m)	113 lbs (51 kg)	DWF
0.003 inch (75 µm)	33 feet (10 m)	220 feet (67 m)	116 lbs (53 kg)	MWF
0.003 inch (75 µm)	39 feet (12 m)	184 feet (56 m)	114 lbs (52 kg)	MWF

Big Blue L-100 Forms Available:

*CF=Centerfold | SWF=Single W-Fold | DWF=Double W-Fold | MWF=Multiple W-Fold

SECURLON® V-45

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	53 lbs (24 kg)	SHT
0.002 inch (50 µm)	80 inches (2.03 m)	750 feet (229 m)	106 lbs (48 kg)	LFT
0.002 inch (50 µm)	180 inches (4.57 m)	750 feet (229 m)	119 lbs (54 kg)	CF to 90 inches (2.29 m)

SECURLON® L-500Y

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	47 inches (1.19 m)	2000 feet (610 m)	82 lbs (37 kg)	SHT
0.002 inch (50 µm)	90 inches (2.28 m)	1000 feet (304 m)	79 lbs (35 kg)	SHT
0.002 inch (50 µm)	300 inches (7.62 m)	550 feet (168 m)	132 lbs (60 kg)	SHT (Folded)
0.002 inch (50 µm)	157 inches (3.98 m)	750 feet (229 m)	104 lbs (47 kg)	CF to 78.5 inches (2 m)
0.003 inch (75 µm)	157 inches (3.98 m)	500 feet (152 m)	101 lbs (46 kg)	CF to 78.5 inches (2 m)
0.003 inch (75 µm)	236 inches (5.99 m)	500 feet (152 m)	119 lbs (54 kg)	SHT (Folded)

SECURLON® L-1000

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	60 lbs (27 kg)	SHT
0.002 inch (50 µm)	72 inches (1.83 m)	1000 feet (305 m)	72 lbs (33 kg)	SHT
0.002 inch (50 µm)	107 inches (2.72 m)	1000 feet (305 m)	107 lbs (48 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	500 feet (152 m)	60 lbs (27 kg)	CF to 60 inches (1.52 m)
0.002 inch (50 µm)	160 inches (4.06 m)	750 feet (229 m)	120 lbs (54 kg)	CF to 80 inches (2.03 m)

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

Last updated : 2018-01-11

Catalog position : Bagging films

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Data Sheet

COMMONLY USED SIZES

Bagging Films

SECURLON® L-2000

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	60 lbs (27 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	500 feet (152 m)	60 lbs (27 kg)	CF to 60 inches (1.52 m)
0.002 inch (50 µm)	80 inches (2.03 m)	750 feet (229 m)	60 lbs (27 kg)	LFT

STRETCHLON® 800

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	36 inches (0.91 m)	1000 feet (305 m)	42 lbs (19 kg)	SHT
0.002 inch (50 µm)	54 inches (1.37 m)	2000 feet (610 m)	108 lbs (49 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	60 lbs (27 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	120 lbs (54 kg)	CF to 60 inches (1.52 m)
0.002 inch (50 µm)	72 inches (1.82 m)	1000 feet (305 m)	72 lbs (33 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305 m)	120 lbs (54 kg)	SHT

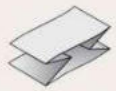
STRETCHLON® 850

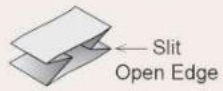
Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	27inches (0.69 m)	1000 feet (305 m)	55 lbs (25 kg)	LFT
0.002 inch (50 µm)	36 inches (0.91 m)	1000 feet (305 m)	73 lbs (33 kg)	LFT
0.002 inch (50 µm)	48 inches (1.22 m)	1000 feet (305 m)	97 lbs (44 kg)	LFT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	119 lbs (54 kg)	LFT
0.002 inch (50 µm)	80 inches (2.03 m)	1000 feet (305 m)	119 lbs (54 kg)	LFT


*SHT=Sheeting


CF=Centerfold


LFT=Lay-Flat Tubing


GT=Gusseted Tubing



G=Gusseted

Last updated : 2018-01-11

Catalog position : Bagging films

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Data Sheet

COMMONLY USED SIZES

Bagging Films

IPPLON® KM1300

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	54 inches (1.37 m)	2000 feet (610 m)	108 lbs (49 kg)	SHT
0.002 inch (50 µm)	72 inches (1.82 m)	1000 feet (305 m)	72 lbs (33 kg)	SHT
0.002 inch (50 µm)	96 inches (2.44 m)	1000 feet (305 m)	96 lbs (43 kg)	SHT
0.002 inch (50 µm)	140 inches (3.56 m)	1000 feet (305 m)	140 lbs (63 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305 m)	120 lbs (54 kg)	CF to 60 inches (1.51 m)
0.002 inch (50 µm)	160 inches (4.06 m)	750 feet (229 m)	120 lbs (54 kg)	CF to 80 inches (2.03 m)
0.002 inch (50 µm)	280 inches (7.11 m)	500 feet (152 m)	140 lbs (63 kg)	CF to 140 inches (3.56 m)
0.002 inch (50 µm)	18 inches (0.46 m)	1000 feet (305 m)	36 lbs (16 kg)	LFT
0.002 inch (50 µm)	36 inches (0.91 m)	1000 feet (305 m)	72 lbs (33 kg)	LFT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	120 lbs (54 kg)	LFT
0.002 inch (50 µm)	90 inches (2.29 m)	750 feet (229 m)	135 lbs (61 kg)	LFT
0.003 inch (75 µm)	60 inches (1.52 m)	1000 feet (305 m)	90 lbs (41 kg)	SHT
0.003 inch (75 µm)	72 inches (1.82 m)	1000 feet (305 m)	108 lbs (49 kg)	SHT
0.003 inch (75 µm)	144 inches (3.66 m)	750 feet (229 m)	108 lbs (49 kg)	CF to 72 inches (1.82 m)
0.003 inch (75 µm)	280 inches (7.11 m)	335 feet (102 m)	141 lbs (64 kg)	CF to 140 inches (3.56 M)

IPPLON® DP1000

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	54 inches (1.37 m)	2000 feet (610 m)	108 lbs (49 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	60 lbs (27 kg)	SHT
0.002 inch (50 µm)	72 inches (1.82 m)	1000 feet (305 m)	72 lbs (33 kg)	SHT
0.002 inch (50 µm)	80 inches (2.03 m)	1000 feet (305 m)	80 lbs (36 kg)	SHT
0.002 inch (50 µm)	107 inches (2.72 m)	1000 feet (305 m)	107 lbs (48 kg)	SHT
0.002 inch (50 µm)	107 inches (2.72 m)	1000 feet (305 m)	107 lbs (54 kg)	CF to 53.5 inches (1.36 m)
0.002 inch (50 µm)	160 inches (4.06 m)	750 feet (229 m)	120 lbs (54 kg)	CF to 80 inches (2.03 m)
0.002 inch (50 µm)	180 inches (4.57 m)	750 feet (229 m)	135 lbs (61 kg)	CF to 90 inches (2.29 m)
0.002 inch (50 µm)	24 inches (0.61)	1000 feet (305 m)	48 lbs (22 kg)	LFT
0.002 inch (50 µm)	36 inches (0.91)	1000 feet (305 m)	72 lbs (33 kg)	LFT
0.003 inch (75 µm)	54 inches (1.37)	1500 feet (457 m)	122 lbs (55 kg)	SHT
0.003 inch (75 µm)	180 inches (4.57 m)	500 feet (152 m)	135 lbs (61 kg)	CF to 90 inches (2.29 m)

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

Last updated : 2018-01-11

Catalog position : Bagging films

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Data Sheet

COMMONLY USED SIZES

Bagging Films

IPPLON® DPT1000

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	180 inches (4.57 m)	750 feet (229 m)	135 lbs (61 kg)	CF to 90 inches (2.29 m)
0.003 inch (75 µm)	144 inches (3.66 m)	1000 feet (305 m)	108 lbs (49 kg)	SHT
0.003 inch (75 µm)	180 inches (4.57 m)	500 feet (152 m)	135 lbs (61 kg)	CF to 90 inches (2.29 m)

IPPLON® WN1500

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	54 inches (1.37 m)	2000 feet (610 m)	108 lbs (49 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305m)	60 lbs (27 kg)	SHT
0.002 inch (50 µm)	72 inches (1.82 m)	1000 feet (305m)	72 lbs (33 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305m)	120 lbs (54 kg)	CF to 60 inches (1.52 m)
0.002 inch (50 µm)	180 inches (4.57 m)	750 feet (229 m)	135 lbs (61 kg)	CF to 90 inches (2.29 m)
0.002 inch (50 µm)	27 inches (0.68 m)	1000 feet (305m)	54 lbs (24 kg)	LFT
0.002 inch (50 µm)	36 inches (0.91 m)	1000 feet (305m)	72 lbs (33 kg)	LFT
0.002 inch (50 µm)	40 inches (1.02 m)	1000 feet (305m)	80 lbs (36 kg)	LFT
0.003 inch (75 µm)	72 inches (1.82 m)	1000 feet (305m)	108 lbs (49 kg)	SHT

WRIGHTLON® 600V

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	180 inches (4.57 m)	500 feet (152 m)	90 lbs (41 kg)	CF to 90 inches (2.29 m)
0.003 inch (75 µm)	180 inches (4.57 m)	500 feet (152 m)	134 lbs (61 kg)	CF to 90 inches (2.29 m)

WRIGHTLON® 5400

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	36 inches (0.91 m)	1000 feet (305 m)	36 lbs (16 kg)	SHT
0.002 inch (50 µm)	54 inches (1.37 m)	2000 feet (610 m)	108 lbs (49 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	60 lbs (27 kg)	SHT
0.002 inch (50 µm)	72 inches (1.82 m)	1000 feet (305 m)	72 lbs (33 kg)	SHT
0.002 inch (50 µm)	80 inches (2.03 m)	1000 feet (305 m)	80 lbs (36 kg)	SHT
0.002 inch (50 µm)	107 inches (2.72 m)	1000 feet (305 m)	107 lbs (48 kg)	CF to 53.5 inches (1.36 m)
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305 m)	120 lbs (54 kg)	CF to 60 inches (1.52 m)
0.002 inch (50 µm)	160 inches (4.06 m)	750 feet (229 m)	120 lbs (54 kg)	CF to 80 inches (2.03 m)
0.002 inch (50 µm)	180 inches (4.57 m)	750 feet (229 m)	135 lbs (61 kg)	CF to 90 inches (2.29 m)

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

Last updated : 2018-01-11

Catalog position : Bagging films

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Data Sheet

COMMONLY USED SIZES

Bagging Films

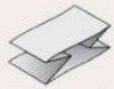
WRIGHTLON® 6400

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	54 inches (1.37 m)	2000 feet (610 m)	108 lbs (49 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	60 lbs (27 kg)	SHT
0.002 inch (50 µm)	72 inches (1.82 m)	1000 feet (305 m)	72 lbs (33 kg)	SHT
0.002 inch (50 µm)	107 inches (2.72 m)	1000 feet (305 m)	107 lbs (48 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305 m)	120 lbs (54 kg)	SHT
0.002 inch (50 µm)	140 inches (3.56 m)	1000 feet (305 m)	140 lbs (63 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305 m)	120 lbs (54 kg)	CF to 60 inches (1.52 m)
0.002 inch (50 µm)	18 inches (0.46 m)	1000 feet (305 m)	36 lbs (16 kg)	LFT
0.002 inch (50 µm)	24 inches (0.61 m)	1000 feet (305 m)	48 lbs (22 kg)	LFT
0.002 inch (50 µm)	27 inches (0.68 m)	1000 feet (305 m)	54 lbs (24 kg)	LFT
0.002 inch (50 µm)	54 inches (1.37 m)	1000 feet (305 m)	108 lbs (49 kg)	LFT
0.003 inch (75 µm)	36 inches (0.91 m)	750 feet (229 m)	81 lbs (37 kg)	LFT
0.003 inch (75 µm)	48 inches (1.22 m)	750 feet (229 m)	108 lbs (49 kg)	LFT
0.003 inch (75 µm)	54 inches (1.37 m)	750 feet (229 m)	122 lbs (55 kg)	LFT
0.003 inch (75 µm)	60 inches (1.52 m)	750 feet (229 m)	140 lbs (63 kg)	LFT


*SHT=Sheeting


CF=Centerfold


LFT=Lay-Flat Tubing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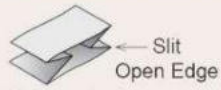

G=Gusseted

Last updated : 2018-01-11

Catalog position : Bagging films

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Data Sheet

COMMONLY USED SIZES

Bagging Films

WRIGHTLON® 7400

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	36 inches (0.91 m)	2000 feet (610 m)	36 lbs (16 kg)	SHT
0.002 inch (50 µm)	54 inches (1.37 m)	2000 feet (610 m)	108 lbs (49 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	60 lbs (27 kg)	SHT
0.002 inch (50 µm)	72 inches (1.83 m)	1000 feet (305 m)	72 lbs (33 kg)	SHT
0.002 inch (50 µm)	96 inches (2.44 m)	1000 feet (305 m)	96 lbs (43 kg)	SHT
0.002 inch (50 µm)	107 inches (2.72 m)	1000 feet (305 m)	107 lbs (48 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305 m)	120 lbs (54 kg)	SHT
0.002 inch (50 µm)	160 inches (4.06 m)	750 feet (229 m)	120 lbs (54 kg)	CF to 80 inches (2.03 m)
0.002 inch (50 µm)	12 inches (0.30 m)	1000 feet (305 m)	24 lbs (11 kg)	LFT
0.002 inch (50 µm)	18 inches (0.46 m)	1000 feet (305 m)	36 lbs (16 kg)	LFT
0.002 inch (50 µm)	24 inches (0.61 m)	1000 feet (305 m)	48 lbs (22 kg)	LFT
0.002 inch (50 µm)	27 inches (0.68 m)	1000 feet (305 m)	54 lbs (24 kg)	LFT
0.002 inch (50 µm)	36 inches (0.91 m)	1000 feet (305 m)	72 lbs (33 kg)	LFT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	120 lbs (54 kg)	LFT
0.003 inch (75 µm)	54 inches (1.37 m)	1500 feet (457 m)	126 lbs (57 kg)	SHT
0.003 inch (75 µm)	60 inches (1.52 m)	1000 feet (305 m)	90 lbs (41 kg)	SHT
0.003 inch (75 µm)	72 inches (1.83 m)	1000 feet (305 m)	108 lbs (49 kg)	SHT
0.003 inch (75 µm)	107 inches (2.72 m)	750 feet (229 m)	120 lbs (54 kg)	SHT
0.003 inch (75 µm)	160 inches (4.06 m)	500 feet (152 m)	120 lbs (54 kg)	CF to 80 inches (2.03 m)
0.003 inch (75 µm)	36 inches (0.91 m)	750 feet (229 m)	81 lbs (37 kg)	LFT

WRIGHTLON® 8400

Thickness	Width	Length	Weight/Roll	Forms Available*
0.002 inch (50 µm)	54 inches (1.37 m)	1000 feet (305 m)	54 lbs (24 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	60 lbs (27 kg)	SHT
0.002 inch (50 µm)	107 inches (2.72 m)	1000 feet (305 m)	107 lbs (48 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305 m)	120 lbs (54 kg)	SHT
0.002 inch (50 µm)	27 inches (0.68 m)	1000 feet (305 m)	54 lbs (24 kg)	LFT
0.003 inch (75 µm)	72 inches (1.83 m)	1000 feet (305 m)	108 lbs (49 kg)	SHT
0.003 inch (75 µm)	140 inches (3.56 m)	500 feet (152 m)	105 lbs (48 kg)	SHT

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

Last updated : 2018-01-11

Catalog position : Bagging films

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Data Sheet

COMMONLY USED SIZES

Bagging Films

DAHLAR® RELEASE BAG 125

Thickness	Width	Length	Weight/Roll	Forms Available*
0.001 inch (25 µm)	60 inches (1.52 m)	200 feet (61 m)	5 lbs (2 kg)	SHT
0.001 inch (25 µm)	60 inches (1.52 m)	1000 feet (305 m)	24 lbs (11 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	200 feet (61 m)	10 lbs (4 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	1000 feet (305 m)	48 lbs (22 kg)	SHT
0.002 inch (50 µm)	60 inches (1.52 m)	2000 feet (610 m)	95 lbs (43 kg)	SHT
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305 m)	95 lbs (43 kg)	CF to 60 inches (1.52 m)
0.002 inch (50 µm)	120 inches (3.05 m)	500 feet (152 m)	52 lbs (23 kg)	SHT (Embossed Film)
0.002 inch (50 µm)	120 inches (3.05 m)	1000 feet (305 m)	104 lbs (47 kg)	SHT (Embossed Film)

DAHLAR® RELEASE BAG 375

Thickness	Width	Length	Weight/Roll	Forms Available*
0.0027 inch (70 µm)	2 inches (0.050 m)	500 feet (152 m)	2.4 lbs (1.10 kg)	LFT
0.0027 inch (70 µm)	4 inches (0.101 m)	500 feet (152 m)	4.7 lbs (2.12 kg)	LFT
0.0027 inch (70 µm)	6 inches (0.152 m)	500 feet (152 m)	7 lbs (3.18 kg)	LFT
0.0027 inch (70 µm)	8 inches (0.203 m)	500 feet (152 m)	9.3 lbs (4.24 kg)	LFT

DAHLAR® RELEASE BAG 460

Thickness	Width	Length	Weight/Roll	Forms Available*
0.0027 inch (70 µm)	2 inches (0.050 m)	500 feet (152 m)	3 lbs (1.35 kg)	LFT
0.0027 inch (70 µm)	3 inches (0.076 m)	500 feet (152 m)	4.5 lbs (2.02 kg)	LFT
0.0027 inch (70 µm)	4 inches (0.101 m)	500 feet (152 m)	6 lbs (2.69 kg)	LFT
0.0027 inch (70 µm)	6 inches (0.152 m)	500 feet (152 m)	9 lbs (4.04 kg)	LFT
0.0027 inch (70 µm)	8 inches (0.203 m)	500 feet (152 m)	12 lbs (5.39 kg)	LFT
0.0027 inch (70 µm)	12 inches (0.305 m)	500 feet (152 m)	17.8 lbs (8.08 kg)	LFT

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

Last updated : 2018-01-11

Catalog position : Bagging films

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Data Sheet

COMMONLY USED SIZES

Bagging Films

DAHLAR® RELEASE BAG 500

Thickness	Width	Length	Weight/Roll	Forms Available*
0.0027 inch (70 µm)	2 inches (0.050 m)	500 feet (152 m)	3.2 lbs (1.48 kg)	LFT
0.0027 inch (70 µm)	2.5 inches (0.063 m)	500 feet (152 m)	4.1 lbs (1.86 kg)	LFT
0.0027 inch (70 µm)	3 inches (0.076 m)	500 feet (152 m)	4.9 lbs (2.24 kg)	LFT
0.0027 inch (70 µm)	4 inches (0.101 m)	500 feet (152 m)	6.5 lbs (2.98 kg)	LFT
0.0027 inch (70 µm)	4.5 inches (0.114 m)	500 feet (152 m)	7.4 lbs (3.36 kg)	LFT
0.0027 inch (70 µm)	5 inches (0.127 m)	500 feet (152 m)	8.2 lbs (3.74 kg)	LFT
0.0027 inch (70 µm)	6 inches (0.152 m)	500 feet (152 m)	9.8 lbs (4.48 kg)	LFT
0.0027 inch (70 µm)	7 inches (0.178 m)	500 feet (152 m)	11.5 lbs (5.24 kg)	LFT
0.0027 inch (70 µm)	8 inches (0.203 m)	500 feet (152 m)	13.1 lbs (5.98 kg)	LFT

*SHT=Sheeting | CF=Centerfold | LFT=Lay-Flat Tubing | GT=Gusseted Tubing | G=Gusseted

Last updated : 2018-01-11

Catalog position : Bagging films