

AIRTECH

INTERNATIONAL INC.

Pressure Sensitive Tapes

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DISHAA INTERNATIONAL LLC

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Section Guide

PRESSURE SENSITIVE TAPES

Name	Carrier type	Adhesive type	Maximum use temperature	Color	Total thickness	Page
Corehold P-HA	Polyester	Rubber	-	Clear	0.0065 inch (165 µm)	1
EconoTape 1	Polyester	Silicone	350°F (177°C)	Green	0.002 inch (50 µm)	2
EconoTape 2	Polyester	Silicone	350°F (177°C)	Green	0.003 inch (75 µm)	3
Econobreaker 2R	Polyester	Rubber	350°F (177°C)	Clear	0.004 inch (100 µm)	4
Flashbreaker® 1	Polyester	Silicone	400°F (204°C)	Blue / Orange	0.0022 inch (55 µm)	5
Flashbreaker® 2	Polyester	Silicone	400°F (204°C)	Blue / Orange	0.0033 inch (83 µm)	6
Flashbreaker® 5	Polyester	Silicone	400°F (204°C)	Blue / Orange	0.007 inch (175 µm)	7
Flashbreaker® 1R	Polyester	Rubber	400°F (204°C)	Green	0.003 inch (75 µm)	8
Flashbreaker® 2R	Polyester	Rubber	400°F (204°C)	Green	0.004 inch (100 µm)	9
Flashbreaker® 5R	Polyester	Rubber	400°F (204°C)	Green	0.007 inch (175 µm)	10
Flashbreaker® 1 (HT)	Polyester	High tack silicone	400°F (204°C)	Yellow	0.0035 inch (90 µm)	11
Flashbreaker® 2 (HT)	Polyester	High tack silicone	400°F (204°C)	Yellow	0.0042 inch (106 µm)	12
Flashbreaker® 2R (HT)	Polyester	High tack rubber	400°F (204°C)	Red	0.0037 inch (93 µm)	13
Flashbreaker® 2CBS	Polyester	Silicone	400°F (204°C)	Blue	0.0047 inch (120 µm)	14
Airhold 1 CBS	Polyester	Acrylic	400°F (204°C)	Clear	0.0035 inch (89 µm)	15
Airhold 10 CBS	Cloth	Rubber	140°F (60°C)	White	0.011 inch (280 µm)	16
Teflease MG2	PTFE	Silicone	500°F (260°C)	Light brown	0.0035 inch (88 µm)	17
Teflease MG2A	PTFE	Acrylic	400°F (204°C)	Light brown	0.0032 inch (80 µm)	18
Teflease MG2R	PTFE	Rubber	400°F (204°C)	Light brown	0.0035 inch (88 µm)	19
Teflease MG2E Yellow	Extruded PTFE	Silicone	500°F (260°C)	Yellow	0.0035 inch (88 µm)	20
Teflease MG2 Orange	PTFE	Silicone	500°F (260°C)	Orange	0.0040 inch (102 µm)	21
Wrightlease	Extruded fluoropolymer	Silicone	500°F (260°C)	Orange	0.0035 inch (88 µm)	22
Wrightlease 2R	Extruded fluoropolymer	Rubber (Light green)	400°F (204°C)	Light brown	0.0035 inch (88 µm)	23
Toolwright 3	Extruded fluoropolymer	Silicone	500°F (260°C)	Light orange	0.003 inch (75 µm)	24
Toolwright 5	Extruded fluoropolymer	Silicone	500°F (260°C)	Light orange	0.005 inch (125 µm)	25
Tooltec® A005	PTFE / Glass	Silicone	500°F (260°C)	Light brown	0.005 inch (125 µm)	26
Tooltec® A007	PTFE / Glass	Silicone	500°F (260°C)	Light brown	0.007 inch (175 µm)	27
Tooltec® A012	PTFE / Glass	Silicone	500°F (260°C)	Light brown	0.012 inch (304 µm)	28
Tooltec® CA5	PTFE	Acrylic	400°F (204°C)	Light brown	0.0065 inch (163 µm)	29

Catalog position : Pressure sensitive tapes

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Section Guide

PRESSURE SENSITIVE TAPES

Name	Carrier type	Adhesive type	Maximum use temperature	Color	Total thickness	Page
Tooltec® CS5	PTFE	Silicone	500°F (260°C)	Light brown	0.0065 inch (165 µm)	30
Wrightcast 8500 PS	Nylon	Rubber	400°F (204°C)	Yellow	0.0032 inch (81 µm)	31
Airkap 1	Polyimide	Silicone	750°F (399°C)	Amber	0.0025 inch (63 µm)	32

Catalog position : **Pressure sensitive tapes**

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Data Sheet

COREHOLD P-HA

Holds metallic and non-metallic core during machining

DESCRIPTION

Corehold P-HA is a core holding film designed to hold honeycomb core and other core materials during machining. It is a polyester film coated on one side with a silicone free synthetic rubber adhesive. The film is supplied with a yellow backing release paper on one side. Corehold P-HA provides a very high peel adhesion and is ideal for strong fixation and machining of core when a vacuum table is utilized. It works well on contoured applications and has very high adhesion properties while leaving very little residue.

BENEFITS

- High temperature and super strong tape can be used for fixing material position during machine processes.
- No movement of cores during machining on vacuum chucks, helps improve part quality and avoid process errors.
- Silicone free rubber based adhesive, making removal and clean up easier after use.

TECHNICAL DATA

Carrier type	Polyester
Adhesive type	Rubber
Color	Clear
Total thickness	0.0065 inch (165 µm)
Film thickness	0.0014 inch (35 µm)
Adhesive thickness	0.0051 inch (130 µm)
Adhesion 180° peel	55 N/ 25 mm
Elongation at break	180 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
59 inches (150 cm)	54 yards (50 m)	1 master roll



NOTES

- Other sizes available upon request.

Last updated : 2019-06-12

Catalog position : **Pressure sensitive tapes**

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Data Sheet

ECONOTAPE 1

Inexpensive multipurpose tape

DESCRIPTION

EconoTape 1 is an inexpensive, multipurpose, silicone based adhesive, pressure sensitive tape. This tape can be used for holding down vacuum bagging materials, thermocouples, and other lay-up items. EconoTape 1 can be used for room temperature to 350°F (177°C) applications.

BENEFITS

- Excellent adhesion and easy removal after cure.
- Resists abrasions when used against rough surfaces.
- Easy conformability to irregular surfaces.

TECHNICAL DATA

Maximum use temperature	350°F (177°C)
Carrier type	Polyester
Adhesive type	Silicone
Color	Green
Total thickness	0.002 inch (50 µm)
Film thickness	0.001 inch (25 µm)
Adhesive thickness	0.001 inch (25 µm)
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	60 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	30 rolls per case
up to 20 inches (50.8 cm)	72 yards (66 m)	-

- Broken cases and other widths available on special order.



NOTES

- Product comes on a plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-03-26

Catalog position : Pressure sensitive tapes

Data Sheet

ECONOTAPE 2

Inexpensive multipurpose tape

DESCRIPTION

EconoTape 2 is a stronger version of EconoTape 1. It is an inexpensive, multipurpose, silicone based adhesive, pressure sensitive tape. This tape can be used for holding down vacuum bagging materials, thermocouples, and other lay-up items. EconoTape 2 can be used for room temperature to 350°F (177°C) applications.

BENEFITS

- Excellent adhesion and easy removal after cure.
- Resists abrasions when used against rough surfaces.
- Easy conformability to irregular surfaces.

TECHNICAL DATA

Maximum use temperature	350°F (177°C)
Carrier type	Polyester
Adhesive type	Silicone
Color	Green
Total thickness	0.003 inch (75 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.001 inch (25 µm)
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	48 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case
up to 20 inches (50.8 cm)	72 yards (66 m)	-

- Broken cases and other widths available on special order.



NOTES

- Product comes on a plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-03-26

Catalog position : **Pressure sensitive tapes**

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Data Sheet

ECONOBREAKER 2R

Inexpensive multipurpose tape

DESCRIPTION

Econobreaker 2R is an inexpensive, multipurpose, rubber based adhesive, pressure sensitive tape. This tape can be used for holding down vacuum bagging materials, thermocouples, and other lay-up items. Econobreaker 2R can be used for room temperature to 350°F (177°C) applications.

BENEFITS

- Excellent adhesion and easy removal after cure.
- Resists abrasions when used against rough surfaces.
- Easy conformability to irregular surfaces.

TECHNICAL DATA

Maximum use temperature	350°F (177°C)
Carrier type	Polyester
Adhesive type	Rubber
Color	Clear
Total thickness	0.004 inch (100 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.002 inch (50 µm)
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	48 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case
up to 20 inches (50.8 cm)	72 yards (66 m)	-

- Broken cases and other widths available on special order.



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 : 2019-03-26

Catalog position : **Pressure sensitive tapes**

Data Sheet

FLASHBREAKER® 1

All purpose pressure sensitive tape

DESCRIPTION

Flashbreaker® tapes are high temperature/ high tensile strength polyester films coated with a pressure sensitive silicone adhesive for oven or autoclave cures up to 400°F (204°C). The orange Flashbreaker® tapes have high visibility when placed on parts and molds. Flashbreaker® pressure sensitive tapes are used for multi-purpose functions in metal bond and composites, such as holding down vacuum bagging materials, thermocouple wires, masking-off, chem-milling protection or in riveting shops. Flashbreaker® tapes remove easily after cure.

BENEFITS

- Flashbreaker tapes can control bond lines and make removal of resin flash easier, reducing clean up effort.
- Fix position of consumable materials to avoid process errors and improve part quality.
- High visibility orange color makes removal easier to inspect and reduces risk of leaving tape in place.

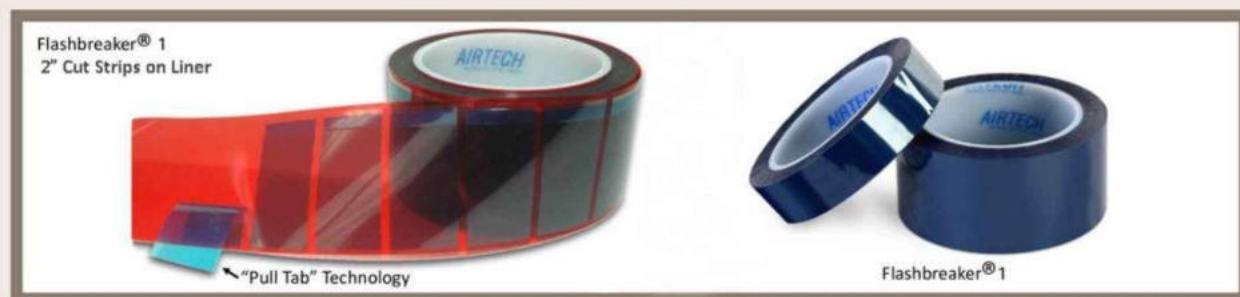
TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	Silicone
Color	Blue / Orange
Total thickness	0.0022 inch (55 µm)
Film thickness	0.001 inch (25 µm)
Adhesive thickness	0.0012 inch (30 µm)
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	60 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	30 rolls per case
up to 20 inches (50.8 cm)	72 yards (66 m)	-

- Broken cases and other widths available on special order.



NOTES

- Available in 2 inch (5 cm) cut strips using "Pull Tab" technology.
- Product comes on plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-03-26

Catalog position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 2

All purpose pressure sensitive tape

DESCRIPTION

Flashbreaker® 2 tape is a stronger version of Flashbreaker® 1. It can be used anywhere extra strength is needed.

Flashbreaker® tapes are high temperature / high tensile strength polyester films coated with a pressure sensitive silicone adhesive for oven or autoclave cures up to 400°F (204°C). The orange Flashbreaker® tapes have high visibility when placed on parts and molds. Flashbreaker® pressure sensitive tapes are used for multi-purpose functions in metal bond and composites, such as holding down vacuum bagging materials, thermocouple wires, masking-off, chem-milling protection. It offers further protection in chem-milling or acid bath etching. Flashbreaker® tapes remove easily after the cure.

BENEFITS

- Flashbreaker® 2 can remove heavier flash build up, reducing difficult clean-up effort.
- Protection over sharp details under vacuum bag, reduces blown bag risk and cost of scrap parts.
- High visibility orange color makes removal easier to inspect and reduced risk of leaving tape in place.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	Silicone
Color	Blue / Orange
Total thickness	0.0033 inch (83 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.0013 inch (33 µm)
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	48 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case
up to 20 inches (50.8 cm)	72 yards (66 m)	-

- Broken cases and other widths available on special order.



NOTES

- Also available in Cut Strip form on special order.
- Product comes on a plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-03-26

Catalog position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 5

All purpose pressure sensitive tape

DESCRIPTION

Flashbreaker® 5 tape is used for adhesive flash clean-up over or next to the bondlines or anywhere extra strength is needed. Flashbreaker® tapes are high temperature/ high tensile strength polyester films coated with a pressure sensitive silicone adhesive for oven or autoclave cures up to 400°F (204°C). The orange Flashbreaker® tapes have high visibility when placed on parts and molds. Flashbreaker® pressure sensitive tapes are used for multi-purpose functions in metal bond and composites, such as holding down vacuum bagging materials, thermocouple wires, masking-off, chem-milling protection. It offers further protection in chem-milling or acid bath etching. Flashbreaker® tapes remove easily after the cure. They can also be used to aid in potting inserts, drilling through the Flashbreaker® 5.

BENEFITS

- Seal unused tooling holes to avoid resin fill and risk of blown bags, reducing risk of scrap and rework.
- Heavy duty tape provides extra strength for demanding applications.
- High visibility orange color makes removal easier to inspect and reduced risk of leaving tape in place.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	Silicone
Color	Blue / Orange
Total thickness	0.007 inch (175 µm)
Film thickness	0.005 inch (125 µm)
Adhesive thickness	0.002 inch (50 µm)
Elongation at break	120 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	48 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	24 rolls per case
up to 20 inches (50.8 cm)	36 yards (33 m)	-

- Broken cases and other widths available on special order.



NOTES

- Also available in Cut Strip form on special order.
- Product comes on a plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-03-26

Catalog position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 1R

All purpose pressure sensitive tape with a non-silicone adhesive

DESCRIPTION

Flashbreaker® 1R is our rubber adhesive based polyester pressure sensitive tape. This tape holds down vacuum bagging materials and thermocouple wires on metal or composites parts and tooling. This tape is designed for use in sensitive areas where silicone adhesives are not permitted.

Flashbreaker® R tapes are high temperature / high tensile strength polyester film coated with a pressure sensitive rubber based adhesive for oven or autoclave cures to 400°F (204°C).

BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Flashbreaker® 1R tapes make removal of resin flash easier, reducing clean-up time.
- Fix position of consumable materials to avoid process errors and improve part quality.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	Rubber
Color	Green
Total thickness	0.003 inch (75 µm)
Film thickness	0.001 inch (25 µm)
Adhesive thickness	0.002 inch (50 µm)
Elongation at break	90 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	36 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- Available in 1 in x 2 in (2.54 cm x 5.08 cm) "Cut Strips" on a paper liner. 2500 cut strips per roll.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-03-26

Catalog position : **Pressure sensitive tapes**

Data Sheet

FLASHBREAKER® 2R

All purpose pressure sensitive tape with a non-silicone adhesive

■ DESCRIPTION

Flashbreaker® 2R tape is our rubber adhesive based polyester pressure sensitive tape. This tape holds down vacuum bagging materials and thermocouple wires on metal or composites parts and tooling. This tape is designed for use in sensitive areas where silicone adhesives are not permitted. Flashbreaker® 2R is used in more extreme environments where extra strength is needed.

Flashbreaker® R tapes are high temperature / high tensile strength polyester film coated with a pressure sensitive rubber based adhesive for oven or autoclave cures to 400°F (204°C).

■ BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Flashbreaker® 2R can remove heavier flash build up, reducing difficult clean-up effort.
- Protection over sharp details under vacuum bag, reduces blown bag risk and cost of scrap parts.

■ TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	Rubber
Color	Green
Total thickness	0.004 inch (100 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.002 inch (50 µm)
Elongation at break	110 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

■ COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	36 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case

- Broken cases and other widths available on special order.



■ 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 : 2019-03-26

Catalog position : **Pressure sensitive tapes**

Data Sheet

FLASHBREAKER® 5R

Strongest pressure sensitive tape with a non-silicone adhesive

DESCRIPTION

Flashbreaker® 5R tape is our strongest rubber adhesive based polyester pressure sensitive tape. This tape holds down vacuum bagging materials and thermocouple wires on metal or composite parts and tooling. This tape is designed for use in sensitive areas where silicone adhesives are not permitted. Flashbreaker® 5R is used in more extreme environments where extra strength is needed.

Flashbreaker® R tapes are high temperature / high tensile strength polyester film coated with a pressure sensitive rubber based adhesive for oven or autoclave cures to 400°F (204°C).

BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Seal unused tooling holes to avoid resin fill and risk of blown bags, reducing risk of scrap and rework.
- Heavy duty tape provides extra strength for demanding applications.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	Rubber
Color	Green
Total thickness	0.007 inch (175 µm)
Film thickness	0.005 inch (125 µm)
Adhesive thickness	0.002 inch (50 µm)
Elongation at break	150 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	36 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	24 rolls per case

- Broken cases and other widths available on special order.



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 : 2018-09-24

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Data Sheet

FLASHBREAKER® 1 (HT)

High tack pressure sensitive tape

DESCRIPTION

Flashbreaker® 1 (HT) tape is used for heavy duty hold down applications where a high level of adhesion is required.

Flashbreaker® (HT) tapes are a high temperature polyester film coated with a high tack silicone adhesive for oven or autoclave to 400°F (204°C). These are ideal for holding down heavier non-woven breather materials.

BENEFITS

- Higher tack adhesive holds difficult materials in place more securely, easier, and quicker.
- Flashbreaker® 1 (HT) tapes make removal of resin flash easier, reducing cleaning time.
- Fix position of consumable materials to avoid process errors and improve part quality.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	High tack silicone
Color	Yellow
Total thickness	0.0035 inch (90 µm)
Film thickness	0.001 inch (25 µm)
Adhesive thickness	0.0025 inch (65 µm)
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	48 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case

- Broken cases and other widths available on special order.



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 : 2019-03-26

Catalog position : **Pressure sensitive tapes**

Data Sheet

FLASHBREAKER® 2 (HT)

High tack pressure sensitive tape

DESCRIPTION

Flashbreaker® 2 (HT) tape is used for heavy duty hold down applications where a high level of adhesion is required.

Flashbreaker® (HT) tapes are a high temperature polyester film coated with a high tack silicone adhesive for oven or autoclave to 400°F (204°C). They are ideal for holding down heavier non-woven breather materials.

BENEFITS

- Higher tack adhesive holds difficult materials in place easily, faster and more securely.
- Flashbreaker® 2 (HT) can remove heavier flash build up, reducing difficult clean up effort.
- Protection over sharp details under vacuum bag, reduces bag burst risk and cost of scrap parts.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	High tack silicone
Color	Yellow
Total thickness	0.0042 inch (106 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.0022 inches (56 µm)
Elongation at break	90 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	36 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case

- Broken cases and other widths available on special order.



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 : 2019-03-26

Catalog position : **Pressure sensitive tapes**

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Data Sheet

FLASHBREAKER® 2R (HT)

High tack pressure sensitive tape with a non-silicone adhesive

DESCRIPTION

Flashbreaker® 2R (HT) is a polyester pressure sensitive tape coated with a high tack, non-silicone adhesive. This tape holds down vacuum bagging materials and thermocouple wires on metal or composite parts and tooling. Flashbreaker® 2R (HT) is a superior tape for holding down non-woven breather materials.

Flashbreaker® 2R (HT) has high temperature capabilities, making it a good choice for oven or autoclave cures to 400°F (204°C).

BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Higher tack rubber adhesive holds materials in place quicker, better, and faster.
- Flashbreaker® 2R (HT) can remove heavier flash build up, reducing difficult clean-up effort.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	High tack rubber
Color	Red
Total thickness	0.0037 inch (93 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.0017 inch (43 µm)
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	36 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

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

Last updated : 2019-08-12

Catalog position : **Pressure sensitive tapes**

Data Sheet

FLASHBREAKER® 2CBS

All purpose double sided pressure sensitive tape

DESCRIPTION

Flashbreaker® 2CBS tapes are high temperature/ high tensile polyester films coated on both sides with pressure sensitive silicone adhesive. Suitable for autoclave and oven applications up to 400°F (204°C). It has been developed for securing secondary tooling, peel plies, release film, breather fabric and vacuum bagging films during high temperature and general workshop applications.

BENEFITS

- Double sided Flashbreaker® 2CBS offers new applications without new material qualification effort.
- Fix position of consumable materials to avoid process errors and improve part quality.
- Hold layered materials in place at high temperature with easy removal and clean-up after use.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	Silicone
Color	Blue
Total thickness	0.0047 inch (120 µm)
Film thickness	0.002 inch (50 µm)
Combined adhesive thickness	0.0027 inch (70 µm)
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	36 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case

- Broken cases and other widths available on special order.



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 : 2019-03-26

Catalog position : Pressure sensitive tapes

Data Sheet

AIRHOLD 1 CBS

High temperature double-backed holding tape

DESCRIPTION

Airhold 1 CBS is an all-purpose, high temperature double-backed holding tape. It is 0.0005 inch (13 µm) polyester film coated on both sides with a non-silicone adhesive. Airhold 1 CBS is designed to hold release plies, release films and breathers in place during lay up and vacuum bagging machining operations. It leaves very little residue which can be removed with common shop solvents. Airhold 1 CBS can also be used to replace aerosol contact adhesives and works well on inclined tool surfaces.

BENEFITS

- High temperature tape can be used for fixing materials position during lay-up and curing process.
- Fix position of consumable materials to avoid process errors and improve part quality.
- Hold layered materials in place at high temperature with easy removal and clean-up after use.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Polyester
Adhesive type	Acrylic
Color	Clear
Total thickness	0.0035 inch (89 µm)
Film thickness	0.0005 inch (13 µm)
Combined adhesive thickness	0.0030 inch (76 µm)
Elongation at break	<50 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	48 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	24 rolls per case

- Broken cases and other widths available on special order.



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 : 2019-03-26

Catalog position : **Pressure sensitive tapes**

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Data Sheet

AIRHOLD 10 CBS

Double-backed tape for holding honeycomb core during machining

DESCRIPTION

Airhold 10 CBS is a double-sided fabric reinforced tape with a rubber based adhesive on both sides. It is designed specifically for holding honeycomb cores during machining while allowing the core to be removed without residue. The thick adhesive coating ensures that the core is held firmly in position. Airhold 10 CBS is suitable for use with metallic and non-metallic core. It can also be used to hold down plastic spiral wrap used as a vacuum manifold in the resin infusion process.

BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Heavy duty tape provides strong hold for difficult items such as infusion spiral manifolds.
- Fix position of materials to avoid process errors and improve part quality.

TECHNICAL DATA

Maximum use temperature	140°F (60°C)
Carrier type	Cloth
Adhesive type	Rubber
Color	White
Total thickness	0.011 inch (280 µm)
Film thickness	0.004 inch (100 µm)
Combined adhesive thickness	0.0070 inch (180 µm)
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	48 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	24 rolls per case
up to 19 inches (48.3 cm)	36 yards (33 m)	-

- Broken cases and other widths available on special order.



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 : 2019-03-26

Catalog position : **Pressure sensitive tapes**

Data Sheet

TEFLEASE MG2

High temperature PTFE pressure sensitive tape

DESCRIPTION

Teflease MG2 is a PTFE film coated with a silicone adhesive. Teflease MG tapes will release from most resin systems. They are ideal for use on tooling blocks and all areas where high elongation and release is needed. Teflease MG tapes will form to critical contours and mold surfaces while offering multiple releases or may be used to cover multiple detail mold seams. They provide a semi-permanent release on cured Airpad tooling rubber and Aircast 3700 pressure intensifiers and mandrels.

BENEFITS

- Provides semi-permanent release and superior surface finish, saving time and improving quality.
- Protect rubber tooling mandrels and intensifiers from resin attack, extending tool life and reducing cost.
- Good elongation makes application to complex shapes easier, reducing time and improving quality.

TECHNICAL DATA

Maximum use temperature	500°F (260°C)
Carrier type	PTFE
Adhesive type	Silicone
Color	Light brown
Total thickness	0.0035 inch (88 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.0015 inch (38 µm)
Elongation at break	125 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	60 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	30 rolls per case

- Broken cases and other widths available on special order.
- Other thickness available:
MG3 - 0.0045 inch (115 µm) total thickness
MG5 - 0.0065 inch (165 µm) total thickness



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 : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

TEFLEASE MG2A

High temperature PTFE pressure sensitive tape with acrylic adhesive

DESCRIPTION

Teflease MG2A is a PTFE film coated with an acrylic adhesive. Teflease MG2A tape will release from most resin systems. It is ideal for use on tooling blocks and all areas where high elongation and release is needed. Teflease MG2A tape will form to critical contours and mold surfaces while offering multiple releases.

BENEFITS

- Provides semi-permanent release and a superior surface finish, saving time and improving quality.
- Acrylic adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Good elongation makes application to complex shapes easier, reducing time and improving quality.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	PTFE
Adhesive type	Acrylic
Color	Light brown
Total thickness	0.0032 inch (80 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.0012 inch (30 µm)
Elongation at break	125 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	60 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	30 rolls per case

- Broken cases and other widths available on special order.
- Other thickness available:
MG5A - 0.0065 inch (165 µm) total thickness



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 : 2019-10-07

Catalog position : **Pressure sensitive tapes**

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Data Sheet

TEFLEASE MG2R

High temperature PTFE pressure sensitive tape with rubber adhesive

DESCRIPTION

Teflease MG2R is a PTFE film coated with a rubber adhesive. Teflease MG2R tape will release from most resin systems. It is ideal for use on tooling blocks and all areas where high elongation and release is needed. Teflease MG2R tape will form to critical contours and mold surfaces while offering multiple releases.

BENEFITS

- Provides semi-permanent release and a superior surface finish, saving time and improving quality.
- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Good elongation makes application to complex shapes easier, reducing time and improving quality.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	PTFE
Adhesive type	Rubber
Color	Light brown
Total thickness	0.0035 inch (88 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.0015 inch (38 µm)
Elongation at break	125 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	36 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	24 rolls per case

- Broken cases and other widths available on special order.



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 : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

TEFLEASE MG2E YELLOW

High temperature PTFE pressure sensitive tape

DESCRIPTION

Teflease MG2 Yellow is an extruded, PTFE film coated with a silicone adhesive. It has superior tensile strength, elongation and abrasion resistance.

Teflease MG tapes will release from most resin systems. They are ideal for use on tooling blocks and all areas where high elongation and release is needed. Teflease MG tapes will form to critical contours and mold surfaces while offering multiple releases. They provide a semi-permanent release on cured Airpad tooling rubber and Aircast 3700 pressure intensifiers and mandrels.

BENEFITS

- High visibility color makes removal easier to inspect and reduces risk of leaving tape in place.
- Extruded PTFE has smoother finish for better quality parts, and superior strength for longer life.
- Provides semi-permanent release and a superior surface finish, saving time and improving quality.

TECHNICAL DATA

Maximum use temperature	500°F (260°C)
Carrier type	Extruded PTFE
Adhesive type	Silicone
Color	Yellow
Total thickness	0.0035 inch (88 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.0015 inch (38 µm)
Elongation at break	175 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	36 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	18 rolls per case

- Broken cases and other widths available on special order.



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 : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

TEFLEASE MG2 ORANGE

High temperature PTFE pressure sensitive tape

DESCRIPTION

Teflease MG2 Orange is a high tensile strength PTFE pressure sensitive tape with high temperature silicone adhesive. The high tensile strength provides increased wear properties when compared to standard PTFE tapes. Teflease MG2 Orange provides high visibility on most substrates.

Teflease MG tapes will release from most resin systems. They provide a semi-permanent release on cured Airpad tooling rubber and Aircast 3700 pressure intensifiers and mandrels.

BENEFITS

- High visibility color makes removal easier to inspect and reduces risk of leaving tape in place.
- Provides semi-permanent release and a superior surface finish, saving time and improving quality.
- High tensile PTFE has superior strength for longer life, reducing cost of replacing worn tape.

TECHNICAL DATA

Maximum use temperature	500°F (260°C)
Carrier type	PTFE
Adhesive type	Silicone
Color	Orange
Total thickness	0.0040 inch (102 µm)
Film thickness	0.0025 inch (64 µm)
Adhesive thickness	0.0015 inch (38 µm)
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	48 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	24 rolls per case

- Broken cases and other widths available on special order.



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 : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

WRIGHTLEASE

Extruded fluoropolymer pressure sensitive tape

DESCRIPTION

Wrightlease is an extruded fluoropolymer film coated with silicone pressure sensitive adhesive. The orange color is highly visible on most substrates in addition to offering high elongation and tensile strength.

BENEFITS

- Provides excellent release from all common resin systems for multiple releases.
- Good adhesion to metal, composite, tooling block and rubber tooling.
- High elongation allows for easier covering of complex contour surfaces.

TECHNICAL DATA

Technical Data	Wrightlease 2	Wrightlease 4
Maximum use temperature	500°F (260°C)	500°F (260°C)
Carrier type	Extruded fluoropolymer	Extruded fluoropolymer
Adhesive type	Silicone	Silicone
Color	Orange	Orange
Total thickness	0.0035 inch (88 µm)	0.0055 inch (138 µm)
Film thickness	0.002 inch (50 µm)	0.004 inch (100 µm)
Adhesive thickness	0.0015 inch (38 µm)	0.0015 inch (38 µm)
Elongation at break	350 %	350 %

SHELF LIFE

18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	48 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- For requirements wider than 4 inches (10.16 cm), it is recommended to use Toolwright 3 product which has a release liner so it can be easily unwound from the roll without distortion.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

WRIGHTLEASE 2R

Extruded fluoropolymer pressure sensitive tape

DESCRIPTION

Wrightlease 2R is an extruded fluoropolymer film coated with rubber-based pressure sensitive adhesive. The light brown color is visible on most substrates in addition to offering high elongation and tensile strength.

BENEFITS

- Provides excellent release from all common resin systems for multiple releases.
- Good adhesion to metal, composite, tooling block and rubber tooling.
- High elongation allows for easier covering of complex contour surfaces.
- Non-silicone adhesive for sensitive applications.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Extruded fluoropolymer
Adhesive type	Rubber (Light green)
Color	Light brown
Total thickness	0.0035 inch (88 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.0015 inch (38 µm)
Elongation at break	300 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	48 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	24 rolls per case

- Broken cases and other widths available on special order.



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 : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

TOOLWRIGHT 3

Fluoropolymer release film with adhesive coating

DESCRIPTION

Toolwright 3 is an extruded fluoropolymer film coated with silicone pressure sensitive adhesive. Toolwright 3 has a thinner film than Toolwright 5 version and can be more easily applied over complex contour surfaces. Toolwright 3 has high elongation, good tear strength, high temperature resistance and excellent clean up after removal.

BENEFITS

- Extend the life of worn tools avoiding cost of new tools.
- Tougher film is more tear resistant, easier and faster to apply.
- Improved part surface quality.

TECHNICAL DATA

Maximum use temperature	500°F (260°C)
Carrier type	Extruded fluoropolymer
Adhesive type	Silicone
Color	Light orange
Total thickness	0.003 inch (75 µm)
Film thickness	0.002 inch (50 µm)
Adhesive thickness	0.001 inch (25 µm)
Elongation at break	350 %
Shelf life	18 months from date of shipment when stored in the original packaging at 72°F (22°C)

COMMONLY USED SIZE

Width	Length
50 inches (127 cm)	18 yards (16.5 m)

- Other widths 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 Toolwright 3 & 5 in the "Media Center" on our website.

Last updated : 2019-10-07

Catalog position : **Pressure sensitive tapes**

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Data Sheet

TOOLWRIGHT 5

Extruded fluoropolymer pressure sensitive tape

DESCRIPTION

Toolwright 5 is an extruded fluoropolymer film coated with silicone pressure sensitive adhesive. The orange color is highly visible on most substrates in addition to offering high elongation and tensile strength.

BENEFITS

- Provides excellent release from all common resin systems for multiple releases.
- Good adhesion to metal, composite, Tooling block and rubber tooling.
- High elongation allows for easier covering of complex contour surfaces.
- Tougher film is more tear resistant and so it's easier to stretch over complex shapes without damage.

TECHNICAL DATA

Maximum use temperature	500°F (260°C)
Carrier type	Extruded fluoropolymer
Adhesive type	Silicone
Color	Light orange
Total thickness	0.005 inch (125 µm)
Film thickness	0.004 inch (100 µm)
Adhesive thickness	0.001 inch (25 µm)
Elongation at break	350 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZE

Width	Length
46 inches (117 cm)	18 yards (16.5 m)

- Other widths 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 Toolwright 3 & 5 in the "Media Center" on our website.

Last updated : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

TOOLTEC® A005

Reinforced PTFE coated fiberglass with silicone adhesive

DESCRIPTION

Tooltec® A005 pressure sensitive tape is designed to adhere to tool surfaces providing semi-permanent release and a reconditioned surface. It can be used on all types of molds, press platens, caul sheets or any surface that comes in contact with resins or adhesives. Release agents are not required on the mold surface thereby reducing cost and parts contamination. Tooltec® A005 is a reinforced mold surface reconditioning tape providing a semi-permanent release for flat tools. This product comes standard with a silicone pressure adhesive, but can also be supplied with an acrylic adhesive by special order.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Tools can be used to recondition worn or damaged tools for extended service, avoiding cost of remanufacture.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.

TECHNICAL DATA

Maximum use temperature	500°F (260°C)
Carrier type	PTFE/ Glass
Adhesive type	Silicone
Color	Light brown
Total thickness	0.005 inch (125 µm)
Film thickness	0.003 inch (75 µm)
Adhesive thickness	0.002 inch (50 µm)
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length
1 inch (2.54 cm)	36 yards (33 m)
2 inches (5.08 cm)	36 yards (33 m)
36 inches (91 cm)	18 yards (16.5 m)
48 inches (122 cm)	18 yards (16.5 m)

- Other sizes available on special order.



NOTES

- Tooltec® A005 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mold surface. The remainder of backing should then be carefully removed while pressing the Tooltec® A005 onto the mold surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-10-07

Catalog position : Pressure sensitive tapes

Data Sheet

TOOLTEC® A007

Reinforced PTFE coated fiberglass with silicone adhesive

DESCRIPTION

Tooltec® A007 pressure sensitive tape is designed to adhere to tool surfaces providing semi-permanent release and a reconditioned surface. It can be used on all types of molds, press platens, caul sheets or any surface that comes in contact with resins or adhesives. Release agents are not required on the mold surface thereby reducing cost and parts contamination. Tooltec® A007 is a reinforced mold surface reconditioning tape providing a semi-permanent release for flat tools. This product comes standard with a silicone pressure adhesive, but can also be supplied with an acrylic adhesive by special order.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Tools can be used to recondition worn or damaged tools for extended service, avoiding cost of remanufacture.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.

TECHNICAL DATA

Maximum use temperature	500°F (260°C)
Carrier type	PTFE/ Glass
Adhesive type	Silicone
Color	Light brown
Total thickness	0.007 inch (175 µm)
Film thickness	0.005 inch (125 µm)
Adhesive thickness	0.002 inch (50 µm)
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length
1 inch (2.54 cm)	36 yards (33 m)
2 inch (5.08 cm)	36 yards (33 m)
36 inches (91 cm)	18 yards (16.5 m)
48 inches (122 cm)	18 yards (16.5 m)

- Other sizes available on special order.



NOTES

- Tooltec® A007 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mold surface. The remainder of backing should then be carefully removed while pressing the Tooltec® A007 onto the mold surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

TOOLTEC® A012

Reinforced PTFE coated fiberglass with silicone adhesive

DESCRIPTION

Tooltec® A012 pressure sensitive tape is designed to adhere to tool surfaces providing semi-permanent release and a reconditioned surface. It can be used on all types of molds, press platens, caul sheets or any surface that comes in contact with resins or adhesives. Release agents are not required on the mold surface thereby reducing cost and parts contamination. This product comes standard with a silicone pressure adhesive, but can also be supplied with an acrylic adhesive by special order.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Can be used to recondition worn or damaged tools for extended service, avoiding cost of remanufacture.
- Tooltec® A012 is a thicker more hard wearing version for longer life in more demanding applications.

TECHNICAL DATA

Maximum use temperature	500°F (260°C)
Carrier type	PTFE/ Glass
Adhesive type	Silicone
Color	Light brown
Total thickness	0.012 inch (304 µm)
Film thickness	0.010 inch (254 µm)
Adhesive thickness	0.002 inch (50 µm)
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZE

Width	Length
36 inches (91 cm)	18 yards (16.5 m)

- Other sizes available on special order.



NOTES

- Tooltec® A012 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mold surface. The remainder of backing should then be carefully removed while pressing the Tooltec® A012 onto the mold surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

TOOLTEC® CA5

High elongation PTFE film coated with acrylic adhesive

DESCRIPTION

Tooltec® CA5 is a PTFE film coated with a high temperature non silicone pressure sensitive adhesive. It is a non-reinforced tape allowing conformance to complex contours. Tooltec® CA5 can be used to seal masters and leaky tool surfaces while providing semi-permanent and contamination free part release.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.
- Acrylic adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	PTFE
Adhesive type	Acrylic
Color	Light brown
Total thickness	0.0065 inch (163 µm)
Film thickness	0.005 inch (125 µm)
Adhesive thickness	0.0015 inch (38 µm)
Elongation at break	300 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZE

Width	Length
36 inches (91 cm)	18 yards (16.5 m)

- Other sizes available on special order.



NOTES

- Tooltec® CA5 backing is blue.
- Tooltec® CA5 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mold surface. The remainder of backing should then be carefully removed while pressing the Tooltec® CA5 onto the mold surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-11-25

Catalog position : **Pressure sensitive tapes**

Data Sheet

TOOLTEC® CS5

High elongation PTFE film coated with silicone adhesive

DESCRIPTION

Tooltec® CS5 is a PTFE film coated with a high temperature silicone pressure sensitive adhesive. It can be used to seal masters and leaky tool surfaces while providing semi-permanent and contamination free part release. Tooltec® CS5 is a non-reinforced mold surface reconditioning tape allowing conformance to complex contours and providing a semi-permanent release for contoured shapes.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Good elongation, so complex tools can be reconditioned and master models finished for molding.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.

TECHNICAL DATA

Maximum use temperature	500°F (260°C)
Carrier type	PTFE
Adhesive type	Silicone
Color	Light brown
Total thickness	0.0065 inch (165 µm)
Film thickness	0.005 inch (127 µm)
Adhesive thickness	0.0015 inch (38 µm)
Elongation at break	300 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length
36 inches (91 cm)	18 yards (16.5 m)
48 inches (122 cm)	18 yards (16.5 m)

- Other sizes available on special order.



NOTES

- Tooltec® CS5 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mold surface. The remainder of backing should then be carefully removed while pressing the Tooltec® CS5 onto the mold surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-10-07

Catalog position : **Pressure sensitive tapes**

Data Sheet

WRIGHTCAST 8500 PS

High temperature nylon pressure sensitive tape with a non-silicone adhesive

DESCRIPTION

Wrightcast 8500 PS tape is a heat stabilized nylon film coated with a high temperature rubber based adhesive. It is a multi-purpose tape with high elongation and is ideal for complex mold shapes. The superior high temperature properties of nylon make this tape suitable for holding down processing materials during extended high temperature cure cycles.

BENEFITS

- High temperature nylon retains strength after longer cures and can be removed easily.
- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Good elongation makes application to complex shapes easier, reducing time and improving quality.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Carrier type	Nylon
Adhesive type	Rubber
Color	Yellow
Total thickness	0.0032 inch (81 µm)
Film thickness	0.002 inch (51 µm)
Adhesive thickness	0.0012 inch (30 µm)
Elongation at break	350 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	72 yards (66 m)	48 rolls per case
2 inches (5.08 cm)	72 yards (66 m)	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- Available in 1 in x 2 in (2.54 cm x 5.08 cm) "Cut Strips" on a paper liner. 2500 cut strips per roll.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-03-26

Catalog position : **Pressure sensitive tapes**

Data Sheet

AIRKAP 1

Polyimide high temperature pressure sensitive tape

DESCRIPTION

Airkap 1 is a fully cured polyimide pressure sensitive tape used for high temperature lay-ups up to 750°F (399°C). Airkap 1 has a silicone adhesive coating to assist in holding down peel plies, breathers, vacuum bag pleats, thermocouples, etc. on high temperature cures, in an oven or autoclave. Airkap 1 will hold down the exposed edges of Thermalimide bagging film in order to insulate A800-3G high temperature sealant tape.

BENEFITS

- Fix position of consumable materials to avoid process errors and improve part quality.
- Protect sharp details under vacuum bag, reduces bag burst risk and cost of scrap parts.
- Hold down Thermalimide bag edges to reduce strain on sealant tapes and reduce bag burst risk.

TECHNICAL DATA

Maximum use temperature	750°F (399°C)
Carrier type	Polyimide
Adhesive type	Silicone
Color	Amber
Total thickness	0.0025 inch (63 µm)
Film thickness	0.001 inch (25 µm)
Adhesive thickness	0.0015 inch (38 µm)
Elongation at break	50 %
Shelf life	18 months from date of shipment when stored in original packaging at 72°F (22°C)

COMMONLY USED SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	72 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	36 rolls per case

- Broken cases and other widths available on special order.



NOTES

- Please note that although the polyimide substrate will take 750°F (399°C), the silicone adhesive may break down at lower temperatures. Experience has shown that this does not affect the hold down/positioning abilities once under the vacuum bag.
- Product comes on a plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-03-26

Catalog position : **Pressure sensitive tapes**