

AIRTECH

INTERNATIONAL INC.

Vacuum Bag Sealant Tapes

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DISHAA INTERNATIONAL LLC

COMPLETE FACTORY SET-UP TURNKEY SOLUTIONS

Email: sajith@dishaagroup.com

Website: www.dishaagroup.com



Section Guide

VACUUM BAG SEALANT TAPES

Name	Base material	Maximum use temperature	Color	Page
AT-199	Synthetic rubber	250°F (121°C)	Black	1
Airseal 2	Synthetic rubber	300°F (150°C) (bag to tool) 356°F (180°C) (bag to bag)	Black	2
GS-100	Synthetic rubber	375°F (191°C)	Reddish brown	3
AT-200Y	Synthetic rubber	400°F (204°C)	Yellow	4
GS-333	Synthetic rubber	400°F (204°C)	Black	5
GS-333LT	Synthetic rubber	400°F (204°C)	Black	6
GS-213	Synthetic rubber	400°F (204°C)	Off-white	7
GS-213-3	Synthetic rubber	450°F (232°C)	Light green	8
GS-43MR	Synthetic rubber	450°F (232°C)	Off-white	9
VBS 750	Silicone	752°F (400°C)	Brown	10
A-800-3G	Silicone	800°F (427°C)	Light green	11
Fast Tack HT	Silicone	800°F (427°C)	Sky blue	12

Data Sheet

AT-199

Low profile vacuum bag sealant tape for economic applications

DESCRIPTION

AT-199 is a low profile vacuum bag sealant tape developed for applications where cost is a primary consideration. The reduced cross section of the tape provides a greater product yield but still maintains a good vacuum seal for vacuum bagging applications from room temperature to 250°F (121°C).

BENEFITS

- Economical vacuum tape reduces the cost of vacuum bagging.
- Smaller cross section reduces material cost.
- Good quality rubber maintains good vacuum sealing performance.

TECHNICAL DATA

Color	Black
Base material	Synthetic rubber
Maximum use temperature	250°F (121°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

SIZES

Dimensions	Packaging
1/16 inch x 3/8 inch x 50 feet (1.5 mm x 9.5 mm x 15 m)	40 rolls per case*

*A case of AT-199 contains 2,000 feet (610 m) of material, which is twice the length of material contained in our standard size case.



NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-07-23

Catalog position : **Vacuum bag sealant tapes**

Data Sheet

AIRSEAL 2

Economical vacuum bag sealant tape

DESCRIPTION

Airseal 2 is a cost effective vacuum bag sealant tape for room and medium temperature applications. Airseal 2 has been specially formulated to provide excellent tack, firm feel, good clean-up and long shelf life. It can also be used for higher temperature envelope bag applications.

Airseal 2 - Standard tack version.

Airseal 2 Tacky - Superior tack for colder environments.

Airseal 2 Super Tacky - Very soft and very high tack version.

BENEFITS

- Lower material cost.
- Long shelf life reduces waste.
- Tacky version has better tack for colder environments.

TECHNICAL DATA

Color	Black
Base material	Synthetic rubber
Maximum use temperature	300°F (150°C) (bag to tool) 356°F (180°C) (bag to bag)
Shelf life	18 months from the date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

SIZES

Dimensions	Dimensions	Packaging
1/8 inch x 1/2 inch x 49.2 feet	3 mm x 12 mm x 15 m	20 rolls per case
1/8 inch x 1/3 inch x 49.2 feet	3 mm x 9 mm x 15 m	20 rolls per case



NOTES

- For clean removal from molds, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-07-23

Catalog position : **Vacuum bag sealant tapes**

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Data Sheet

GS-100

Multi-purpose sealant tape up to 375°F (191°C)

DESCRIPTION

GS-100 is a multi-purpose vacuum bag sealant tape that works well with composite or metal tools. It is suitable for cure applications up to 375°F (191°C).

BENEFITS

- Multi-purpose tape is good with metal and composite tooling.
- Provides an excellent vacuum seal for efficient vacuum bagging.
- Tape is easy to use, making vacuum bagging faster.

TECHNICAL DATA

Color	Reddish brown
Base material	Synthetic rubber
Maximum use temperature	375°F (191°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

SIZES

Dimensions	Packaging
1/8 inch x 1/2 inch x 25 feet (3 mm x 12mm x 7.62 m)	40 rolls per case



NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-07-23

Catalog position : Vacuum bag sealant tapes

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Data Sheet

AT-200Y

Economical multi-purpose sealant tape

■ DESCRIPTION

AT-200Y is an economical multi-purpose sealant tape with high tack. It removes easily from metal or composite tools. Suitable for cure applications up to 400°F (204°C).

■ BENEFITS

- Economical vacuum tape reduces the cost of vacuum bagging.
- Multi-purpose tape can be used on metal and composite tooling.
- Easy clean up reduces cost of tool cleaning.

■ TECHNICAL DATA

Color	Yellow
Base material	Synthetic rubber
Maximum use temperature	400°F (204°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

■ SIZES

Dimensions	Packaging
1/8 inch x 1/2 inch x 25 feet (3 mm x 12 mm x 7.62 m)	40 rolls per case



■ NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- 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

GS-333

Vacuum bag sealant tape for longer cures

■ DESCRIPTION

GS-333 is a sealant tape which has been designed to take longer cures and still remove cleanly. It is usable up to 400°F (204°C).

■ BENEFITS

- Designed to last longer to make lengthy cure cycles safer.
- Removes cleanly after cure reducing the cost of tool cleaning.
- Multi-purpose tape can be used on metal and composite tooling.

■ TECHNICAL DATA

Color	Black
Base material	Synthetic rubber
Maximum use temperature	400°F (204°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

■ SIZES

Dimensions	Packaging
1/8 inch x 1/2 inch x 25 feet (3 mm x 12 mm x 7.62 m)	40 rolls per case



■ NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-07-23

Catalog position : **Vacuum bag sealant tapes**

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Data Sheet

GS-333LT

Vacuum bag sealant tape for longer cures

DESCRIPTION

GS-333LT is a low tack version of our standard GS-333 tape. GS-333LT is a sealant tape which has been designed to take longer cures and still remove cleanly. It is usable up to 400°F (204°C).

BENEFITS

- Designed to last longer to make lengthy cure cycles safer.
- Removes cleanly after cure reducing the cost of tool cleaning.
- Multi-purpose tape can be used on metal and composite tooling.

TECHNICAL DATA

Color	Black
Base material	Synthetic rubber
Maximum use temperature	400°F (204°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

SIZES

Dimensions	Packaging
1/8 inch x 1/2 inch x 25 feet (3 mm x 12 mm x 7.62 m)	40 rolls per case



NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- 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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Catalog position : Vacuum bag sealant tapes

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Data Sheet

GS-213

Industry standard vacuum bag sealant tape for metal and composite tools

DESCRIPTION

GS-213 is recognized worldwide as the work horse for the composites and bonding industries. It has excellent tack, great clean-up, and is usable up to 400°F (204°C).

BENEFITS

- Excellent tack level, so vacuum bagging is easier and safer.
- Excellent clean up reduces cost of tool cleaning.
- Approved on aerospace specifications worldwide.

TECHNICAL DATA

Color	Off-white
Base material	Synthetic rubber
Maximum use temperature	400°F (204°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

SIZES

Dimensions	Packaging
1/8 inch x 1/2 inch x 25 feet (3 mm x 12 mm x 7.62 m)	40 rolls per case
1/8 inch x 3/4 inch x 25 feet (3 mm x 19 mm x 7.62 m)	28 rolls per case



NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-07-23

Catalog position : Vacuum bag sealant tapes

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Data Sheet

GS-213-3

Higher temperature version of GS-213

DESCRIPTION

GS-213-3 is a higher temperature version of GS-213. It has slightly lower tack and excellent clean-up on any surface. It is usable up to 450°F (232°C).

BENEFITS

- Lower tack level, so vacuum bags can be easily repositioned.
- High temperature rating for safer high temperature cures.
- Removes cleanly after cure reducing cost of tool cleaning.

TECHNICAL DATA

Color	Light green
Base material	Synthetic rubber
Maximum use temperature	450°F (232°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

SIZES

Dimensions	Packaging
1/8 inch x 1/2 inch x 25 feet (3 mm x 12 mm x 7.62 m)	32 rolls per case
1/8 inch x 3/4 inch x 25 feet (3 mm x 19 mm x 7.62 m)	20 rolls per case



NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-07-23

Catalog position : Vacuum bag sealant tapes

Data Sheet

GS-43MR

High tack and high temperature sealant tape

■ DESCRIPTION

GS-43MR is our premium sealant tape with excellent tack and easy clean-up. It is usable up to 450°F (232°C).

■ BENEFITS

- Excellent tack level, so vacuum bagging is easier and safer.
- High temperature rating for safer high temperature cures.
- Approved on aerospace specifications worldwide.

■ TECHNICAL DATA

Color	Off-white
Base material	Synthetic rubber
Maximum use temperature	450°F (232°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

■ SIZES

Dimensions	Packaging
1/8 inch x 1/2 inch x 25 feet (3 mm x 12 mm x 7.62m)	40 rolls per case
1/8 inch x 3/4 inch x 25 feet (3 mm x 19 mm x 7.62 m)	28 rolls per case



■ NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-07-23

Catalog position : Vacuum bag sealant tapes

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Data Sheet

VBS 750

High tack and high temperature sealant tape

■ DESCRIPTION

VBS 750 is a very high temperature sealant tape for cures up to 752°F (400°C). It has excellent tack at room temperature. Secondary beads of sealant are not required and clean up after cure is good.

■ BENEFITS

- Very high temperature rating so thermoplastics can be processed.
- Excellent tack will form an effective vacuum seal.
- Easy clean up after cure reduces cost of tool cleaning.

■ TECHNICAL DATA

Color	Brown
Base material	Silicone
Maximum use temperature	752°F (400°C)
Shelf life	6 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

■ SIZES

Dimensions	Packaging
1/8 inch x 0.7 inch x 33 feet (3 mm x 18 mm x 10 m)	4 rolls per case



■ NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-07-23

Catalog position : Vacuum bag sealant tapes

Data Sheet

A-800-3G

Vacuum bag sealant tape for temperature use up to 800°F (427°C)

DESCRIPTION

A sealant tape suitable for very high temperature applications. With heat it gets tackier and works up to 800°F (427°C).

BENEFITS

- Highest temperature rating so thermoplastics can be processed.
- Good shelf life avoids material scrap costs.
- High temperature rating for safer high temperature cures.

TECHNICAL DATA

Color	Light green
Base material	Silicone
Maximum use temperature	800°F (427°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

SIZES

Dimensions	Packaging	Remarks
1/8 inch x 1/2 inch x 25 feet (3 mm x 12 mm x 7.62 m)	40 rolls per case	Can be sold per unit roll



NOTES

- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- A second strip of GS-213-3 or GS-43MR can be used in conjunction with the A-800-3G to seal easily at room temperature. This strip becomes sacrificial above 450°F (232°C) where the A-800-3G is secure.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2019-07-23

Catalog position : Vacuum bag sealant tapes

Data Sheet

FAST TACK HT

High tack sealant tape for 800°F (427°C) applications

DESCRIPTION

New generation sealant tape for high temperature applications. Fast Tack HT builds tack quickly when applied to Thermalimide. Having good room temperature adhesion to the high temp bagging film reduces the time required to vacuum bag high temperature parts.

BENEFITS

- Easiest to use high temperature tape.
- Adheres well to polyimide films.
- Improved high temperature performance vs legacy products.

TECHNICAL DATA

Color	Sky blue
Base material	Silicone
Maximum use temperature	800°F (427°C)
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 72°F (22°C) Do not refrigerate

SIZES

Dimensions	Packaging	Remarks
1/8 inch x 1/2 inch x 25 feet (3 mm x 12 mm x 7.62 m)	40 rolls per case	Can be sold per unit roll



NOTES

- After applying the bag to the sealant tape, allow it to sit approximately 30 minutes for best adhesion results.
- For clean removal, it is recommended to strip the tape from the mold surface once it has cooled down to room temperature.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Cotton gloves are recommended when using product. Change gloves immediately after handling product.

Last updated : 2019-07-23

Catalog position : Vacuum bag sealant tapes