

SECTION GUIDE

VACUUM BAG SEALANT TAPES

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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 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

Colour	Black
Base material	Synthetic Rubber
Maximum use temperature	121°C
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 22°C Do not refrigerate

SIZES

Dimensions	Packaging
1.5 mm x 9.5 mm x 15 m	40 rolls per case*

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



NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.

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

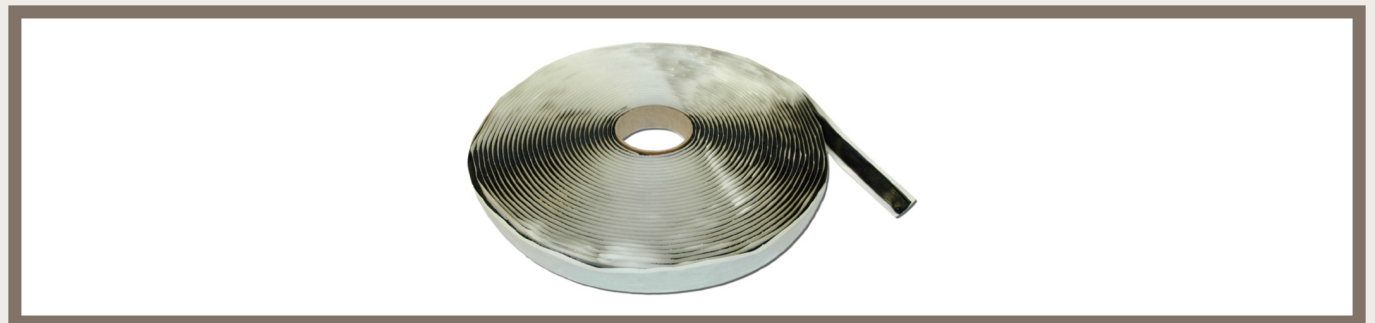
- Lower material cost.
- Long shelf life reduces waste.
- Tacky version has better tack for colder environments.

■ TECHNICAL DATA

Colour	Black
Base material	Synthetic rubber
Maximum use temperature	150°C (bag to tool) 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 22°C. Do not refrigerate

■ SIZES

Dimensions	Packaging
3 mm x 12 mm x 15 m	20 rolls per case



■ NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.

Data Sheet

GS-100

Multi-purpose sealant tape up to 191°C

DESCRIPTION

GS-100 is a multi-purpose sealant tape that works well with composite or metal tools. It is suitable for cure applications up to 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

Colour	Reddish brown
Base material	Synthetic Rubber
Maximum use temperature	191°C
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 22°C Do not refrigerate

SIZES

Dimensions	Packaging
3 mm x 12mm x 7.62m	40 rolls per case



NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.

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 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

Colour	Yellow
Base material	Synthetic Rubber
Maximum use temperature	204°C
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 22°C Do not refrigerate

■ SIZES

Dimensions	Packaging
3 mm x 12 mm x 7.62 m	40 rolls per case



■ NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.

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 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

Colour	Black
Base Material	Synthetic Rubber
Maximum use temperature	204°C
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 22°C Do not refrigerate

SIZES

Dimensions	Packaging
3 mm x 12 mm x 7.62 m	40 rolls per case



NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.

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 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

Colour	Black
Base Material	Synthetic Rubber
Maximum use temperature	204°C
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 22°C Do not refrigerate

SIZES

Dimensions	Packaging
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 mould 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, Tygavac recommends testing prior to use.

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 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

Colour	Off-white
Base material	Synthetic Rubber
Maximum use temperature	204°C
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 22°C Do not refrigerate

■ SIZES

Dimensions	Packaging
3 mm x 12 mm x 7.62 m	40 rolls per case
3 mm x 19 mm x 7.62 m	28 rolls per case



■ NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.

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 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

Colour	Light green
Base material	Synthetic Rubber
Maximum use temperature	232°C
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging at 22°C Do not refrigerate

SIZES

Dimensions	Packaging
3 mm x 12 mm x 7.62 m	32 rolls per case
3 mm x 19 mm x 7.62 m	20 rolls per case



NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.

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 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

Colour	Off-white
Base material	Synthetic Rubber
Maximum use temperature	232°C
Shelf life	12 months from date of manufacture
Storage conditions	Tape must be stored flat in original packaging 22°C Do not refrigerate

SIZES

Dimensions	Packaging
3 mm x 12 mm x 7.62 m	40 rolls per case
3 mm x 19 mm x 7.62 m	28 rolls per case



NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.

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 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

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

SIZES

Dimensions	Packaging
3 mm x 18 mm x 10 m	4 rolls per case



NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.

Data Sheet

A-800-3G

Vacuum bag sealant tape for temperature use up to 427°C

DESCRIPTION

A sealant tape suitable for very high temperature applications. With heat it gets tackier and works up to 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

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

SIZES

Dimensions	Packaging	Remarks
3 mm x 12 mm x 7.62 m	40 rolls per case	Can be sold per unit roll



NOTES

- For clean removal from moulds, it is recommended to strip the tape from the mould 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, Tygavac recommends testing prior to use.
- 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 232°C where the A-800-3G is secure.

Data Sheet

FAST TACK HT

High tack sealant tape for 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

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

SIZES

Dimensions	Packaging	Remarks
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 mould 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, Tygavac recommends testing prior to use.
- Cotton gloves are recommended when using product. Change gloves immediately after handling product.

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Catalogue position : Vacuum bag sealant tapes