



SM5143

VACUUM BAG SEALANT TAPE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Tacky Tape[®] SM5143 is a sealant tape developed for use in composite vacuum bagging. The tape was specifically developed for use in turbine blade manufacturing. This product has been formulated to outperform all tapes in its class. Initial tack is great and it will maintain an air-tight seal during the cure cycle and then strip clean from the mold during de-bagging. This tape has an optimum cure temperature range of room temperature to 425°F (218°C).

ADVANTAGES:

- Easy to apply by hand (User friendly)
- Ideal for oven or autoclave cure
- Uses include: debulking/ compacting, envelope bagging, resin damming, or as pressure strip
- Has been shown to survive 30 debulking cycles
- Room temperature to 425 °F (218 °C) cure cycles
- Good adhesion to various films and tool surfaces
- Strips clean from tools surfaces
- Non-Hazardous

APPLICATION:

Apply by hand to a clean dry tool or platen with release paper on top. When the sealant is in position remove the release paper and lay the film on top. Apply pressure by hand or roller on the sealant to obtain maximum adhesion and to ensure positive vacuum. It is recommended to strip below 150°F (66°C) to minimize or reduce the parts from becoming warped. SM5143 can be stripped without leaving a residue on metal tool surfaces that have been cooled to room temperature.

PACKAGING:

Tacky Tape[®] SM5143 sealant is supplied in roll form with a special release paper. This product is available through ITW Polymers Sealants North America, Inc. Customer Service department at 1-800-878-7876.

PERFORMANCE TEMPERATURE RANGE:

Application Temperature Range: 45°F (7°C) to 120°F (49°C)
Service Temperature Range: Room Temp to 425°F (218°C)

TYPICAL PROPERTIES:

COLOR:	Yellow
PERCENT SOLID:	100%
CONSISTENCY: Cone Penetration	75 - 85 300 GRAM LOAD ASTM D-217
WEIGHT/GALLON:	10.2 LBS/GALLON (1.22 Kg/L)
FREIGHT CLASSIFICATION:	Caulking Compound, NOIBN (NO LABEL REQUIRED)
STORAGE:	Keep in cool dry place. Tacky Tape [®] SM5143 has a 12 month shelf life from date of manufacture when stored at or below 80°F (27°C). Do not store cartons on end, keep flat.

EXCLUSION OF WARRANTIES:

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Complete technical information is available from
ITW Polymers Sealants North America, Inc.