



SM5190

VACUUM BAG SEALANT TAPE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Tacky Tape® SM5190 has been formulated as a sealant tape for the aerospace industry and wind energy market in vacuum bag applications and composite manufacturing that require low temperature heating or curing. The tape is formulated to seal most films to tools while positive vacuum is held for low temperature applications. For optimum results, strip tape from composite tools at ambient temperature. The primary characteristics of the tape are high modulus, tensile strength, and adhesion.

ADVANTAGES:

- Easy to apply by hand (User friendly)
- Low temperature applications
- Good resistance to styrene and epoxy-based resins
- Use for multiple debulking cycles without reapplication
- Tenacious adhesion to most films and tool surfaces
- Strips clean from tools surfaces at room temperature
- Non-Hazardous, compatible with most substrates, including composite tools and film materials
- Economic low cost vacuum bag sealant tape

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. SM5190 can be stripped without leaving a residue on metal tool surfaces that have been cooled to room temperature (77°F).

PACKAGING:

Tacky Tape® SM5190 sealant is supplied in roll form with a special release paper. The tape is available in a variety of sizes.

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: 45°F (7°C) to 250°F (121°C)
bag to tool
45°F (7°C) to 300°F (150°C)
bag to bag

TYPICAL PROPERTIES:

COLOR:	Black
PERCENT SOLID:	100%
CONSISTENCY: Cone Penetration	80 - 100 300 GRAM LOAD ASTM D-217
WEIGHT/GALLON:	12.3 LBS/GALLON (1.47 Kg/L)
FREIGHT CLASSIFICATION:	Caulking Compound, NOIBN (NO LABEL REQUIRED)
STORAGE:	Keep in cool dry place. Tacky Tape® SM5190 has a 14 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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