

TECHNICAL DATA

Tacky Tape® SM5153 Vacuum Bag Tape Sealant

PRODUCT DESCRIPTION:

SM 5153 TACKY-TAPE® has been developed for the wind energy and aerospace industry as vacuum bag tape for vacuum bagging operations, wind blades and composite manufacturing. This product has been formulated to outperform all tapes in its class. With aggressive initial tack, it will maintain an air-tight seal during the cure cycle, yet strip clean from the tool, with virtually no trace of residue. SM5153 provides easy, almost effortless de-bagging, and minimal to no clean-up between production cycles. SM5153 exhibits these excellent usage and release characteristics from composite and metal tools, in both oven and autoclave applications. This tape has an optimum cure temperature range of room temperature to 400°F (204°C).

ADVANTAGES:

- Easy to apply by hand (User friendly)
- Ideal for oven or autoclave cure
- Excellent release from composite tooling
- Uses include: debulking/compacting, envelope bagging, resin damming, or as pressure strip
- Has been shown to survive 30 debulking cycles
- Room temperature to 400°F (204°C) cure cycles
- Maintains adhesion during low temperature cycling
- Strips clean from tool surfaces leaving no residue
- Good adhesion to various films and tool surfaces
- Non-Hazardous

TYPICAL PROPERTIES:

COLOR:	Yellow
PERCENT SOLID:	100%
CONSISTENCY: Cone Penetration	80-95 300 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. SM 5153 Tacky Tape® 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.

PERFORMANCE TEMPERATURE RANGE:

Application Temperature Range: 45°F (7°C) to 120°F (49°C)
Service Temperature Range: Room temperature to 400°F (204°C)

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. SM 5153 can be stripped without leaving a residue on metal and composite tool surfaces that have been cooled to room temperature.

PACKAGING:

SM 5153 Tacky Tape® sealant is supplied in roll form with a special release paper. This product is available through Schnee-Morehead's Customer service department at 1-800-Trust SM (878-7876).

EXCLUSION OF WARRANTIES:

AS TO THE HEREIN DESCRIBED MATERIALS, SCHNEE-MOREHEAD®, INC. MAKES NO WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SINCE THE USE OF THE HEREIN DESCRIBED MATERIALS INVOLVES MANY VARIABLES IN METHODS OF APPLICATION, HANDLING AND/OR USE, THE USER IN ACCEPTING AND USING THESE MATERIALS ASSUMES ALL RESPONSIBILITY FOR THE END RESULT. THE PURCHASE OF THIS SCHNEE-MOREHEAD®, INC. PRODUCT IS SUBJECT TO THE TERMS AND CONDITIONS OF AN "AS IS" SALE, AND IF THE PRODUCT IS PROVED TO BE DEFECTIVE, THE EXCLUSIVE REMEDY, AT SCHNEE-MOREHEAD®, INC.'S OPTION, SHALL BE TO REPLACE THE DEFECTIVE SCHNEE-MOREHEAD®, INC. PRODUCT. SCHNEE-MOREHEAD®, INC. SHALL NOT OTHERWISE BE LIABLE FOR LOSS OF DAMAGES, WHETHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL, REGARDLESS OF THE LEGAL THEORY ASSERTED, INCLUDING NEGLIGENCE, WARRANTY OR STRICT LIABILITY.

Complete technical information is available from Schnee-Morehead®, Inc. For technical assistance, customer service and general information call:

1-800-TRUSTSM
1-800-878-7876

SCHNEE-MOREHEAD®, INC.

An ITW Company

111 N. Nursery Road

Irving, TX 75060

972-438-9111 Fax: 972-554-3939

www.trustsm.com