

11611-MB

16 MIL POLYURETHANE MOISTURE BARRIER TAPE

PRODUCT DESCRIPTION

Our moisture barrier tape, with a 2-mil adhesive, is an essential product for use in the manufacturing of aircraft/rotorcraft in the Aerospace markets. Typically used on floor panels creating a barrier to prevent moisture and or liquids from being able to cause corrosion to the aircraft/rotorcraft body.

The liner and high elongation allows for ease of use while the white color assists with easy identification. 11611-MB also meets burn test 14 CFR 25.853 making it a must have for moisture barrier applications.

FEATURES

- Liner for ease of handling
- Available width up to 24 inches with 18 mil total thickness
- Passes the 14 CFR 25.853 burn test; is REACH & ROHS compliant
- Very high tensile strength to prevent ripping/tearing
- Excellent adhesion to standard floor panels

PRODUCT CONSTRUCTION

16 MIL POLYURETHANE
2 MIL ADHESIVE
POLYESTER LINER

APPLICATION

- Designed for use on the floor panels for air and rotary craft to prevent corrosion by creating a barrier.
- Also warranted for use where the passing of burn test 14 CFR 25.853 is required.

PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

Backing Material	Polyurethane	
Adhesive	Rubber-Based Adhesive	
Color	White	
	Imperial	Metric
Total Tape Thickness	18 mil	0.46 mm
Tensile Strength	115 lb/in	403 N/20 mm
Elongation	925%	
Water Vapor Transmission Rate	2.5 g/(100 in ² • day)	
Adhesion to Aluminum 48 hour dwell	2.1 lb/in	7.35 N/20 mm
Adhesion to BMS 4-17 Floor Panel 48 hour dwell	2.5 lb/in	8.76 N/20 mm
Adhesion to BMS 4-20 Floor panel 48 hour dwell	2.4 lb/in	8.41 N/20 mm
Density	71.79 lb/ft ³	1150 kg/m ³
Government Specifications	14 CFR 25.853 Appendix F Part 1 (a) (1) (II)	
Bombardier	IS601R53000130	
Certifications	ISO /IATF/AS: https://www.nitto.com/us/en/about_us/Americas/americas_certification/	

*CAUTION: The above are typical values and should not be used in writing specifications. Customer is responsible to ensure product meets intended application requirements before approved for use.

RoHS Compliant.



For additional information or support, please visit our website at www.nitto.com or call toll free 800-755-8273

SHELF LIFE & GENERAL STORAGE CONDITIONS

The general shelf life and storage conditions for this Nitto, Inc. product are as follows:

- Shelf life for this product is TWENTY-FOUR MONTHS FROM DATE OF SHIPMENT.
- Best stored between 50°F-80°F / 10°C-27°C, 25-50% relative humidity; out of direct sunlight.

PRECAUTION REMINDER

Surface should be clean, free of oil, moisture and dirt before applying. Pressure-sensitive adhesive tapes may require pressure by roller, hand or press when applying. Not doing so may affect the general properties and appearance. Please inspect your surface prior to application; this tape may not adhere well to extremely uneven or distorted surfaces. Please remember to allow adequate time for full adhesive strength.

WARRANTY INFORMATION

Unless Nitto agrees otherwise in a written agreement signed by Nitto, the warranty information and other terms of sale can be found in the Nitto Terms and Conditions of Sale in the legal section of www.nitto.com and are hereby incorporated by reference.

TECHNICAL SUPPORT

For questions pertaining to this data sheet or for additional product information; please email us directly at support.us@nitto.com