



TBP Converting, Inc.  
Nitto 11611-MB PDS

## 11611-MB

### 16 MIL POLYURETHANE MOISTURE BARRIER TAPE

#### PRODUCT DESCRIPTION

Our 16 mil polyurethane moisture barrier tape, with 2 mil adhesive, is an essential product for use in the manufacturing of aircraft/rotorcraft in the Aerospace industry. 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 FAR 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 FAR 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 FAR 25.853 is required.

#### PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

<b>Backing Material</b>	Polyurethane	
<b>Adhesive</b>	Rubber-Based Adhesive	
<b>Color</b>	White	
	<b>Imperial</b>	<b>Metric</b>
<b>Total Tape Thickness</b>	18 mil	0.46 mm
<b>Tensile Strength</b>	115 lb/in	202 N/10 mm
<b>Elongation</b>	925%	925%
<b>Water Vapor Transmission Rate</b>	2.5 g/(100 in <sup>2</sup> • day)	
<b>Adhesion to Aluminum 48 hour dwell</b>	2.1 lb/in	3.7 N/10 mm
<b>Adhesion to BMS 4-17 Floor Panel 48 hour dwell</b>	2.5 lb/in	4.4 N/10 mm
<b>Adhesion to BMS 4-20 Floor panel 48 hour dwell</b>	2.4 lb/in	4.2 N/10 mm
<b>Government Specifications</b>	FAR 25.853 Appendix F Part 1 (a) (1) (ii)	

\*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.

## GENERAL STORAGE CONDITIONS

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

The following is made in lieu of all warranties, expressed or implied, including the warranty of merchantability and fitness for a particular or ordinary purpose. NITTO DENKO AMERICA warrants that its products meet the applicable specifications at the time of shipment from our warehouse and NITTO DENKO AMERICA's sole obligation shall be to replace any such quantity of the product which fails to meet NITTO DENKO AMERICA's specifications or to issue a credit for such merchandise for a period of six (6) months from the date of shipment.

NITTO DENKO AMERICA MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

NITTO DENKO AMERICA shall not be liable for any injury, loss or damage, direct or consequential, arising out of or in connection with the use or the inability to use the product, nor shall any recovery of any kind in total against NITTO DENKO AMERICA be greater in amount than the purchased price of the specific material sold causing the alleged loss, damage or injury. Before using, buyer shall be responsible to determine the suitability of the product for his intended use, and buyer assumes all risk and liability in connection therewith. The foregoing may not be altered except by an agreement signed by an officer of NITTO DENKO AMERICA.

Any delays in or failure by either party hereto in the performance of any obligations hereunder shall be excused if and to the extent caused by occurrences beyond such party's reasonable control, including Acts of God, strikes or other labor disturbances, war, whether declared or not, fire, inability to secure transportation or any other cause or causes which cannot be reasonably controlled by such party.