

3M™ Wire Harness Tape BT3103

Technical Data Sheet



Description

3M™ Wire Harness Tape BT3103 is an acrylic foam, single-face tape developed for use in automobile interiors. This tape provides excellent initial and static performance against substrates that have uneven surfaces. 3M Wire Harness Tape BT3103 is primarily intended for the attachment of wire harness assemblies to automobile headliners.

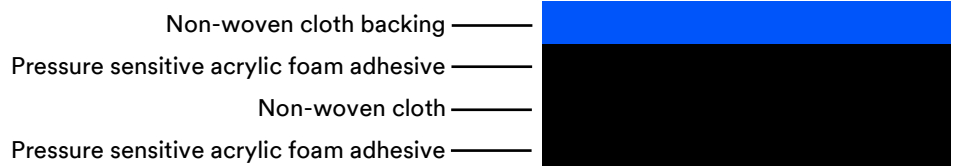
3M Wire Harness Tape BT3103 offers the following features, advantages, and benefits:

- Demonstrates excellent initial adhesion and static performance against substrates that have uneven surfaces
- Reduced VOC emissions as compared to current products — meets Japan Automobile Manufacturers Association (JAMA) Guidelines for Reducing Vehicle Cabin VOC Concentration Levels
- Can be applied on various headliner materials, often without special surface treatment
- Exhibits good workability due to high tape modulus, ease of cutting and wet-out Demonstrates superior heat resistance
- High visibility due to blue color

Applications

3M Wire Harness Tape BT3103 is used in the attachment of wire harness assemblies to automobile headliners and similar applications.

Product Construction

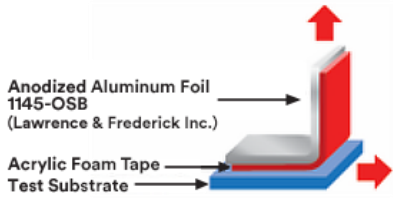
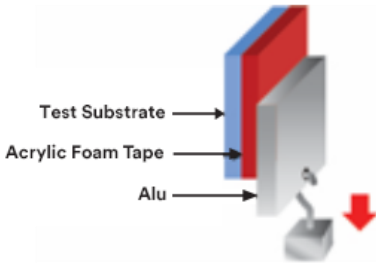


Physical Properties

BT3103	
Color	Light Blue
Thickness	0.34mm (included non-woven cloth backing; 0.14mm)

Typical Performance Characteristics

Performance tests are run using standard test procedures in 3M laboratories. These values presented are typical and not to be used for specification purposes. Peel values depend on test conditions and substrates.

90° Peel Strength				
Test Conditions	Temperature	BT3103 (N/cm)	Butyl Tape	
Immediate state 30 seconds after tape lamination. Adhesion to painted steel.	5°C		4.9	 <p>Anodized Aluminum Foil 1145-OSB (Lawrence & Frederick Inc.)</p> <p>Acrylic Foam Tape</p> <p>Test Substrate</p>
	23°C		7.8	
	40°C		7.8	
Static Shear				
Test Conditions	Temperature	BT3103 (N/cm)	Butyl Tape	
10 mm x 25 mm tape sample size. EPDM is applied to painted steel and exposed to the tested temperature for 24 hours.	23°C		100.0	 <p>Test Substrate</p> <p>Acrylic Foam Tape</p> <p>Alu</p>
	40°C		50.0	
	60°C		10.0	
	80°C		0.0	

Shelf Life

One year from the date of receipt by customer when stored at 4°C–38°C (40°F–100°F) and 0–95% relative humidity (RH). The optimum storage conditions are 22°C (72°F) and 50% relative humidity.

Regulatory Information

To obtain published IMDS ID numbers, email requests to 3M-IMDSrequest@mmm.com.

Contact Information

The information provided in this technical document is intended as a guide for this product. For more information or help in selecting a 3M product for an application, please contact your 3M application engineer or call product application support at 1-800-328-1684.

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