Wire Harness Tape BT3005

Technical Data Sheet **July 2013**

Supersedes technical data sheet dated October 2008

General Description

3M™ Wire Harness Tape BT3005 is an acrylic foam, double-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 BT3005 is primarily intended for the attachment of wire harness assemblies to automobile headliners.

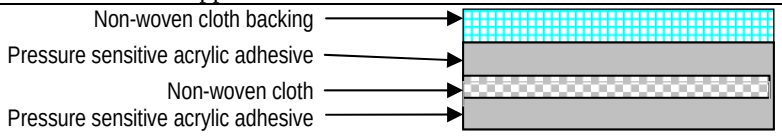
3M Wire Harness Tape BT3005 offers the following features, advantages and benefits:

- 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 BT3005 is used in the attachment of wire harness assemblies to automobile headliners and similar applications.

Product Construction



Physical Properties

Tape No.	BT3005
Color	Light Blue
Thickness	0.5 mm

Shelf Life

Six months from the date of receipt by customer when stored at 4ºC-38ºC(40ºF-100ºF) and 0-95% relative humidity. Optimum storage conditions are 22ºC (72ºF) and 50% relative humidity.

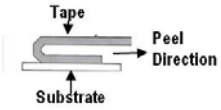
Roll Width and Length

Please contact a 3M representative to learn about availability of roll widths and lengths.

Performance Properties

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.

180° Peel Strength The tape is peeled off at a 180° angle and the adhesion to the substrate is measured with a tensile strength test machine after exposing the tape to the following conditions:



Test Conditions	Headliner A (non-woven cloth surface) (N/cm)	Headliner B (non-woven cloth surface) (N/cm)	Painted Panel	PP
Immediate: 23º C for 5 min	2.8	3.9	8.2	6.6
Initial state: 23º C for 20 min	3.5*	4.6	10.9	7.1
Normal state: 23º C x 24 hours	3.5*	5.1	11.2	7.0
At high temp: 23º C x 24 hours	1.4*	2.6	5.8	1.5
Heat aging: 80°C for 14 days	4.1*	12.6	14.2	6.3
Humidity aging: age at 50º C, 95% RH for 336 hrs., 23º x 24hrs, test at 23º C	4.1*	9.7	13.9	7.8

* headline surface cloth break

Note: The above data is tested with non-liner side adhesive. The adhesive performance on liner side is lower than these values.

Precautionary Information Please refer to the product label and SDS for health and safety information before using.

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 technical service representative or call 1-800-328-1684.

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