

3M™ Wire Harness Tape 5073

Technical Data Sheet



Description

3M™ Wire Harness Tape 5073 is a double-sided acrylic foam, sealing tape with excellent initial adhesion, heat resistance and durability compared to conventional butyl sealing tape. Common uses include bonding to rough or highly irregular surfaces, sealing and other applications where a highly conformable tape is required. 3M Wire Harness Tape 5073 has been developed using the technology of 3M™ Acrylic Foam Tape, which has been used for vehicle interior and exterior part attachment for more than forty years.

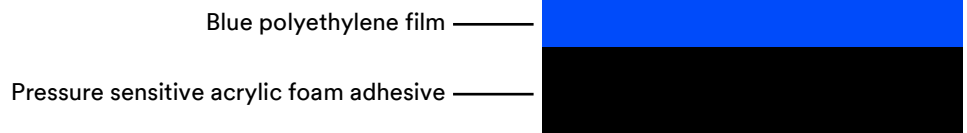
3M Wire Harness Tape 5073 offers the following features, advantages, and benefits:

- Demonstrates excellent initial adhesion and static performance against substrates that have uneven surfaces
- Can be applied to many substrates used for automotive parts, often without special surface treatment
- Exhibits good workability due to high tape modulus, ease of cutting and wet-out
- Helps reduce the possibility of staining the bonded surfaces because it is made of a high molecular weight acrylic material
- Excels in extreme weather, heat, and solvent resistance

Applications

3M Wire Harness Tape 5073 is used in the attachment of wire harness assemblies to automobile headliners, attaching interior trim, bonding impact relaxation pads to door panels, bonding of cellular urethane, polystyrene and polypropylene parts and similar applications.

Product Construction

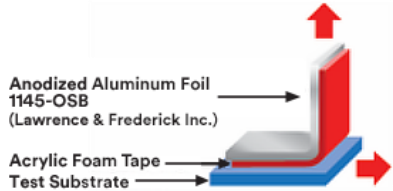
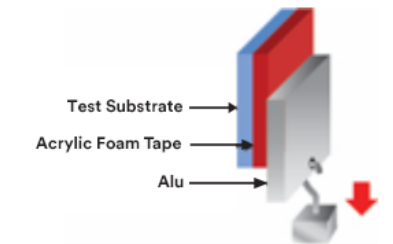


Physical Properties

5073	
Color	Black
Thickness	1.0 mm (0.04 in)

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	5073 (N/cm)	Butyl Tape	
Immediate state 30 seconds after tape lamination. Adhesion to painted steel.	5°C	11.8	4.9	 <p>Anodized Aluminum Foil 1145-OSB (Lawrence & Frederick Inc.)</p> <p>Acrylic Foam Tape Test Substrate</p>
	23°C	16.8	7.8	
	40°C	16.8	7.8	
Static Shear				
Test Conditions	Temperature	5073 (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	400.0	100.0	 <p>Test Substrate</p> <p>Acrylic Foam Tape</p> <p>Alu</p>
	40°C	300.0	50.0	
	60°C	200.0	10.0	
	80°C	100.0	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.

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information. **Product Selection and Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. **Warranty, Limited Remedy, and Disclaimer:** Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. **Limitation of Liability:** Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.



Automotive and Aerospace Solutions Division
3M Center
St. Paul, MN 55144-1000
1-800-328-1684
3M.com/autosolutions

3M is a trademark of 3M Company. Please recycle.
Printed in USA. © 3M 2020.