

# 3M™ Acrylic Foam Tape Series RPX1000

## Technical Data Sheet

### General Description

3M™ Acrylic Foam Tape Series RPX1000 tapes are dark gray, double-coated next generation acrylic foam tapes designed for attachment of automotive exterior trim parts such as wheel arch extensions, spoilers and door moldings – without the use of adhesion promoter. 3M Series RPX1000 tapes offer an advanced TU2 adhesive on the liner side for strong adhesion to medium surface (MSE) and low surface energy (LSE) paint systems, and TU1 adhesive on the non-liner side that adheres well to MSE/LSE plastics.

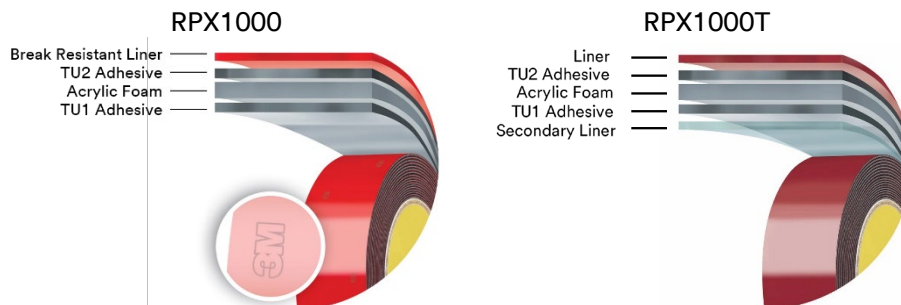


3M Series RPX1000 tapes offer the following key features:

- Excellent primerless adhesion on the non-liner side to medium and low surface energy plastics
- Confident application on part over a wide range of temperatures, as low as 5°C
- Holding power in application temperatures up to 90°C on LSE plastics such as thermoplastic olefin (TPO), polypropylene, and polypropylene/ethylene propylene diene monomer (PP/EPDM)
- Very good adhesion to easy, medium and difficult paint systems on the tape liner side
- Unique foam core provides stress relaxation when high application loads are encountered, while maintaining tight bond-line aesthetics under normal conditions
- Capable of bonding to difficult paint systems depending upon the application.

Some typical applications for 3M Series RPX1000 tapes include sensor bonding, wheel arch moldings, spoilers and pillar garnishes. Please consult with your 3M technical service representative for specific application information.

### Product Construction



### Physical Properties (Typical Values)

	RPX1005 (available 2022)	RPX1008 (available 2022)	RPX1011	RPX1015
Core	Acrylic Foam Tape			
Color	Medium grey			
Thickness	0.5 mm	0.8 mm	1.1 mm	1.5 mm
Liner	<ul style="list-style-type: none"> <li>• <b>BRL Break Resistant Liner:</b> 3M branded liner, red polyethylene, both sides siliconized. Tabbing method undercut.</li> <li>• <b>T-Liner Version: (Planned Q2 2022)</b> Brick polyethylene, single-side siliconized plus secondary liner (for level wound rolls). Tabbing tapes can be used.</li> </ul>			
Adhesive	<ul style="list-style-type: none"> <li>• Non-liner side: TU1 - high performance acrylic adhesive with very good initial and excellent final tack, even for low surface energy plastics, such as PP/EPDM</li> <li>• Liner side: TU2 - high performance acrylic adhesive with very good initial and excellent final tack, even for low surface energy clearcoats</li> </ul>			

## Tabbing

- Heat-bond tabbing: 3M™ Tabbing Tape 5400 and 3M™ Tabbing Tape 5081 or 5082
- Extended liner may be used

## Performance Properties

3M understands that development of automotive applications is typically driven by specification requirements and performance. Each OEM has their own unique criteria and 3M continues to develop suitable products to meet those demands. Please contact your 3M application engineer for support and to obtain specific test data.

## Shelf Life

12 months from date of manufacturing. Optimum storage conditions are 22°C and 50% relative humidity.

We anticipate this tape will have a comparable shelf life as other 3M™ Acrylic Foam Tapes. 3M expects to extend the shelf life as test data allows.

## Regulatory Information

Please refer to the product label and Safety Data Sheet (SDS) for health and safety information before using. Observe proper handling precautions as outlined in the SDS, which is available on request or at [www.3M.com/msds](http://www.3M.com/msds).

## 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 engineering representative or [connect with a 3M expert](#).

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