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3M™ Acrylic *Plus* Tape PT Series

Technical Data Sheet

Description

3M™ Acrylic Plus Tape PT Series is a family of dark gray, double-coated acrylic foam tapes designed for the attachment of automotive exterior trim parts such as body side moldings, claddings, roof ditch moldings and wheel flares.

3M Tape PT Series offers the following key features:

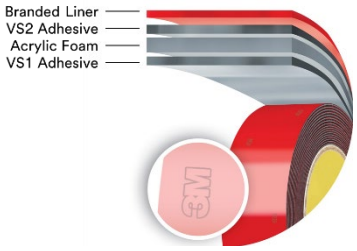
- High conformability
- Dark gray, high-strength core
- Cold temperature impact resistance
- Easy liner release



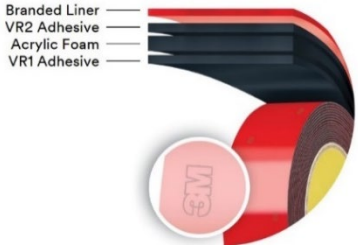
The highly conformable core, which improves adhesive wet out, combines with high performance adhesive systems to provide robust part adhesion to many challenging surfaces. The dark gray color improves the bond-line appearance of the attached part.

Product Construction

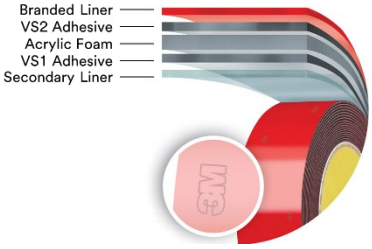
PT0400/PT0800



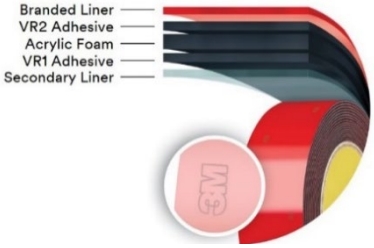
PT1100/PT1500



PT0400T/PT0800T



PT1100T/PT1500T/PT1100BRT



Physical Properties

	PT0400	PT0800
Core	Acrylic Plus Tape	
Color	Dark Gray	
Thickness	0.406 mm (0.016 in) +/- 0.061mm (0.0024 in)	0.813 mm (0.032 in) +/- 0.102 mm (0.004 in)
Density	689 kg/m^3 (43 lb /ft^3) +/- 80 lh/m^3 (5 lb/ft^3)	625 kg/m^3 (39 lb /ft^3) +/- 97 lh/m^3 (6 lb/ft^3)
Liner	• 3M Branded Liner: subtle 3M logo, red polyethylene, both sides siliconized. • T-Liner Version: Clear, single-side siliconized plus secondary liner (for level wound rolls).	
Adhesive	• Non-liner side: VS1 - high performance acrylic adhesive delivers excellent adhesion to metal and plastic parts • Liner side: VS2 - high performance acrylic adhesive with very high initial and final adhesion to scratch and mar-resistant paint systems	

	PT1100	PT1500
Core	Acrylic Plus Tape	
Color	Dark Gray	
Thickness	1.14 mm (0.045 in) +/- 0.13 mm (0.005 in)	1.52 mm (0.076 in) +/- 0.13 mm (0.005 in)
Density	545 kg/m^3 (34 lb/ft^3) +/- 80 kg/m^3 (5 lb/ft^3)	545 kg/m^3 (34 lb/ft^3) +/- 80 kg/m^3 (5 lb/ft^3)
Liner	• 3M Branded Liner: subtle 3M logo, red polyethylene, both sides siliconized. • BRT Break Resistant Liner: 3M branded liner, red polyethylene, both sides siliconized. Tabbing method undercut. • T-Liner Version: Clear, single-side siliconized plus secondary liner (for level wound rolls).	
Adhesive	• Non-liner side: VR1 - high performance acrylic adhesive delivers excellent adhesion to metal and plastic parts • Liner side: VR2 - high performance acrylic adhesive with very high initial and final adhesion to scratch and mar-resistant paint systems	

Tabbing

- Heat-bond tabbing: 3M™ Tabbing Tape 5400 and 3M™ Tabbing Tape 5081 or 5082
- PSA tab: 3M™ Tabbing Tape 5300

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

Two years from date of manufacture 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

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.

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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