3M™ Acrylic *Plus* Tape Series PT1000

Technical Data Sheet

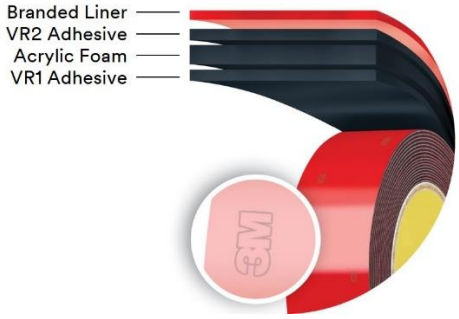
Description

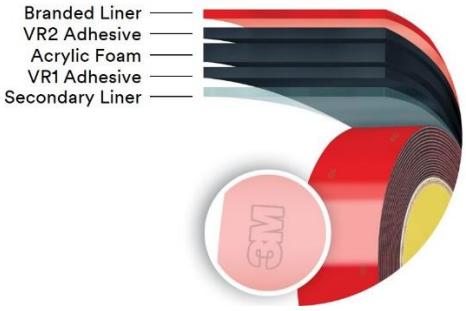
3M™ Acrylic Plus Tape Series PT1000 is a black, double-coated acrylic foam tape designed for the attachment of automotive exterior trim parts such as body side moldings and claddings.
3M Tape Series PT1000 offers the following key features:

- High conformability
- Black, high-strength core with low elongation properties
- 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 black color and low elongation properties improve the bond-line appearance of the attached part.
Some typical applications for 3M Tape Series PT1000 include body side moldings, claddings, roof ditch moldings and wheel flares.

Product Construction





Liner Options

See the technical update "3M™ Acrylic Foam and Acrylic *Plus* Tapes: Product Constructions" for liner and tabbing information.

Physical Properties

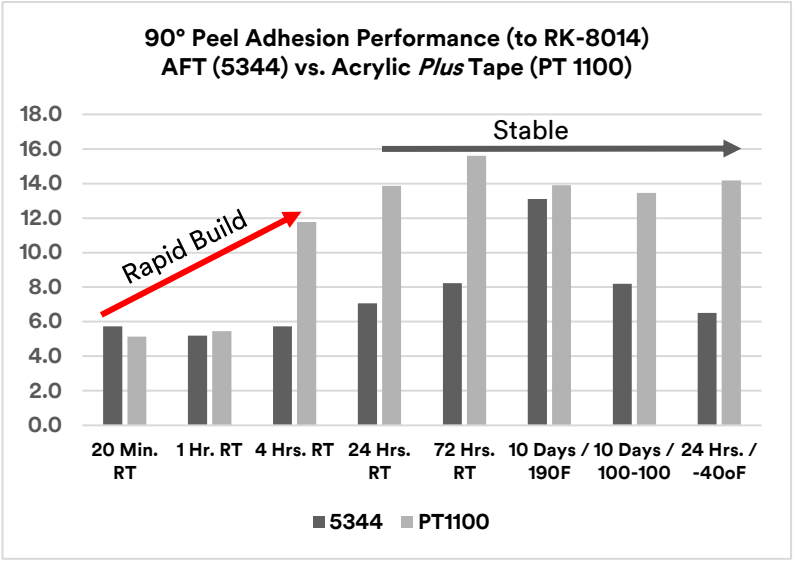
	PT1100	PT1500	PT1100T
Thickness Range	1.14 mm (0.045 in) +/- 0.13 mm (0.005 in)	1.52 mm (0.060 in) +/- 0.13 mm (0.005 in)	1.14 mm (0.045 in) +/- 0.13 mm (0.005 in)
Density Range	545 kg/m^3 (34 lb/ft^3) +/- 80 kg/m^3 (5 lb/ft^3)	521 kg/m^3 (32.5 lb/ft^3) +/- 80 kg/m^3 (5 lb/ft^3)	545 kg/m^3 (34 lb/ft^3) +/- 80 kg/m^3 (5 lb/ft^3)

Performance Properties

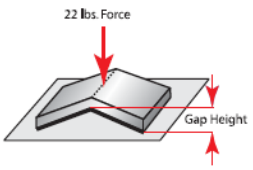
Typical performance of 3M™ Acrylic *Plus* Tape Series PT1000 is shown below. Peel and shear values depend on plastic substrate characteristics and/or paint composition. These values are for reference only.

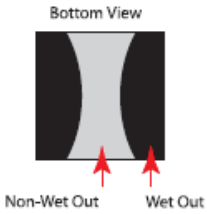
Note: Care should be taken to make sure the surface is clean and dry prior to application of the tape. After adhesion build, the adhesive is durable to typical automotive environmental conditions and chemicals and provides a robust attachment solution. For more details and application guidance, please contact your 3M Technical Representative.

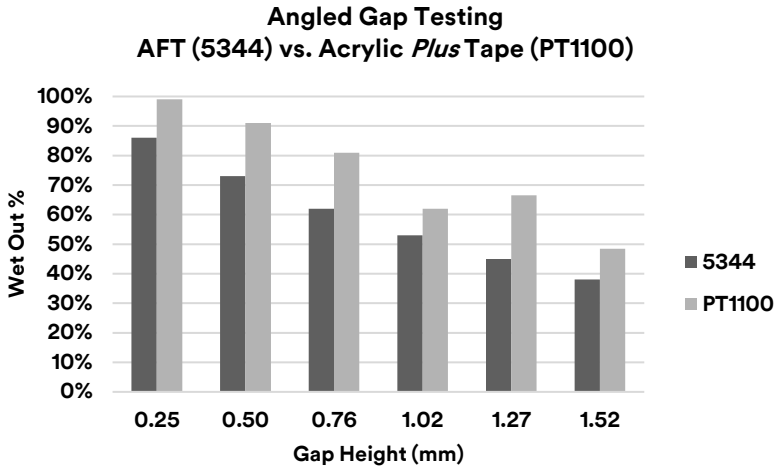
90° Peel Adhesion Testing



High Conformability (Angled Gap)

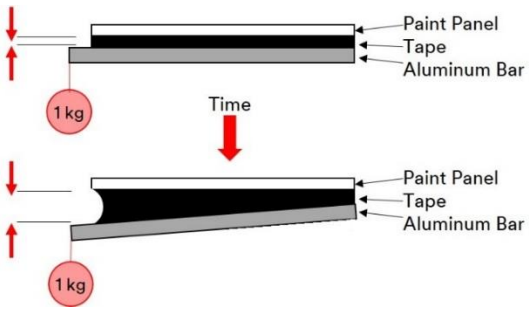


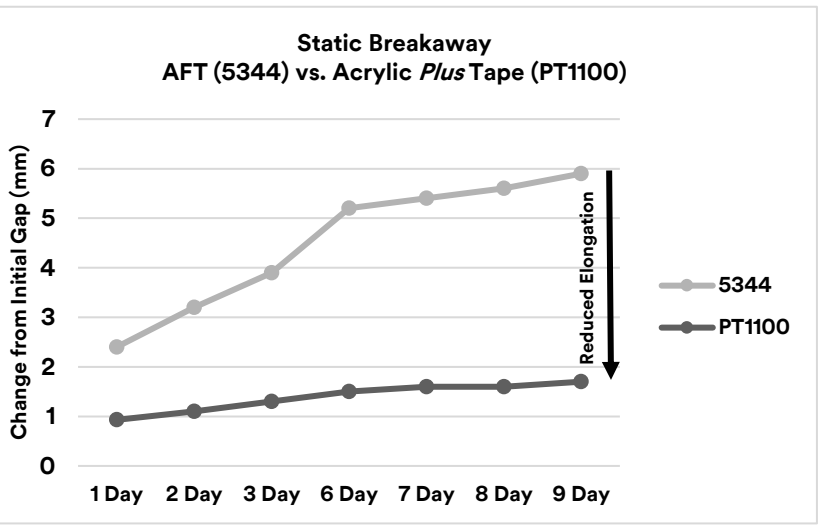




Static Break Away (Typical Results)

Deflection (Bondline Elongation)
Low Static Load (1 kg)





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.

The product is published as a material entry and is available for access on www.mdsystem.com. For product IMDS I.D. number, 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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