



3M™ Acrylic Plus Tape WT4112

Technical Data Sheet

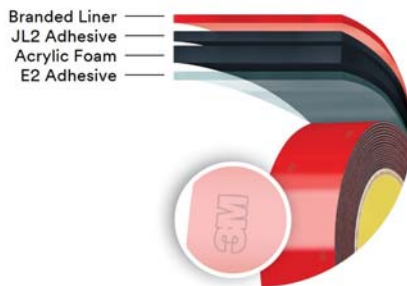


3M Acrylic Plus Tape WT4112 is a 1.20 mm (0.047 in) thick, black acrylic foam tape, constructed with two different adhesives, and is typically used to attach weatherstrip and/or gasket seals for automotive and industrial applications.

3M WT4112 Tape offers the following key features:

- Heat-activated adhesive on the non-liner side forms an immediate, consistent and durable bond to most EPDM formulations and TPE materials.
- Excellent adhesion to a wide variety of automotive paints, including the new scratch-and mar-resistant, low surface energy, and traditional paint systems.
- Combination of high initial adhesion with a stress handling core for demanding applications.
- Utilizes an acrylic foam core uniquely designed for excellent conformability of the seal to the substrate, while delivering excellent wet-out.
- Black core resulting in improved bond-line aesthetics.
- Ability to apply tape to seal components prior to high-temperature processing such as seal coating bakes.

Product Construction



Liner Options

See the technical update "[3M™ Acrylic Foam and Acrylic Plus Tapes: Product Constructions](#)" for liner and tabbing information.

Physical Properties

WT4112	
Thickness Range	1.20mm ± 0.10 mm (0.047 inch ± 0.004 in)
Density Range	550 kg/m ³ ± 65 kg/m ³ (34 lb/ft ³ ± 4 lb/ft ³)

Roll Width and Length

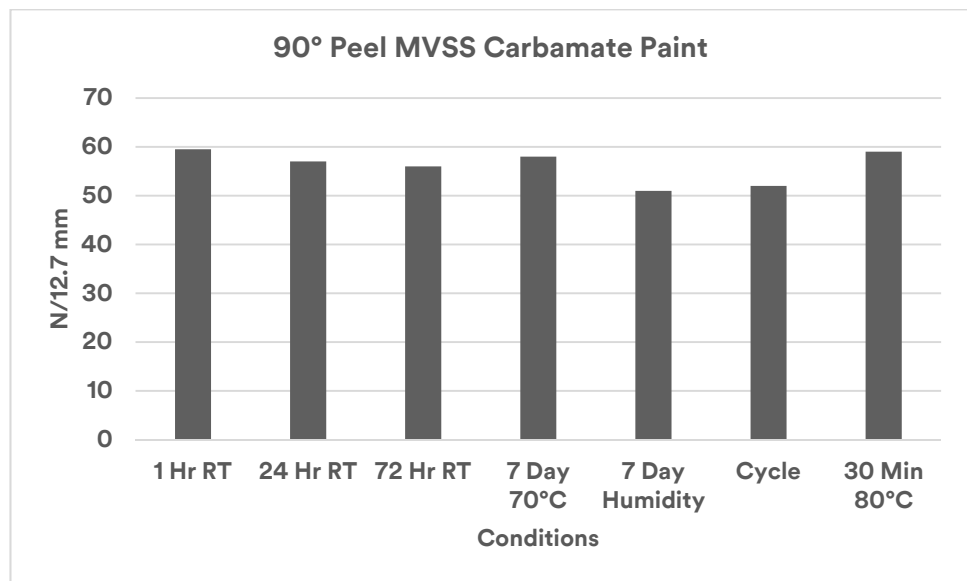
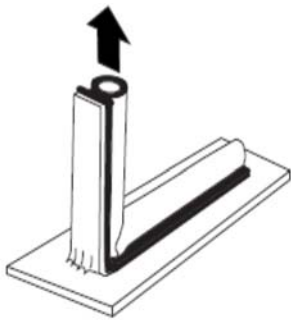
3M™ Acrylic Plus Tapes are available in the following standard widths. Millimeter widths -- rounded to the nearest whole number-- and 1/8-inch increments starting with 1/4 inch.

Minimum widths: 4 mm Levelwound, 6 mm Planetary (Standard versions)

Roll Width	Roll Width Tolerance	Roll Length (max)
Planetary Rolls		
< 8 mm (< 0.315 in)	+/- 0.40 mm (+/-0.015 in)	66 M (72 yds)
8 - 9 mm (0.315 - 0.375 in)	+/- 0.40 mm (+/-0.015 in)	99 M (108 yds)
> 10 - 18 mm (0.394 - 0.709 in)	+/- 0.40 mm (+/-0.015 in)	132 M (144 yds)
> 18 mm (> 0.709 in)	+/- 0.80 mm (+/- 0.031 in)	132 M (144 yds)
Levelwound Rolls		
4 - 16 mm (0.157 - 0.630 in)	+/- 0.40 mm (+/-0.015 in)	700 M (765 yds)

Performance Properties

Typical performance of 3M™ Acrylic Plus Tape WT4112 is shown below. Peel values depend on the composition and cross-section of a particular weatherstrip. These values are for reference only.



Shelf Life

One year 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.mdssystem.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 technical service representative or call 1-800-328-1684.

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