



3M™ Robust Sealing Tape RST4812

Technical Data Sheet

General Description

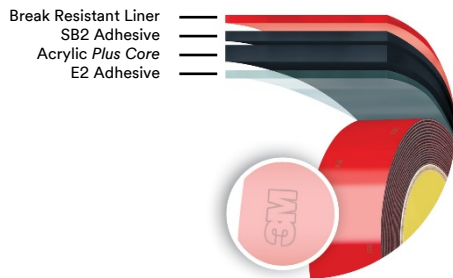
3M™ Robust Sealing Tape is a 1.21 mm (0.048 in) thick, black acrylic foam tape, constructed with two different adhesives, and is typically used to attach weatherstrip and/or gasket seals to the body or doors for automotive and industrial applications.

3M Tape RST4812 offers the following key features:

- Break resistant liner
 - Can improve production line uptime and is compatible with manual and robotic processes
- Modified adhesive technology on the paint side
 - Provides excellent adhesion to paint systems and cool surfaces
- Advanced foam core technology
 - Black color provides better bondline aesthetics
 - Allows better fit to tight radius designs
 - Contributes to a reduction of VOC outgassing and fogging
- Robust adhesive on the seal side
 - Proven adhesion on multiple types and grades of rubber compounds (EPDM, TPO, and TPV)



Product Construction



Physical Properties

Attribute	Value
Thickness Range	1.21mm ± 0.14 mm (0.048 inch ± 0.006 in)
Density Range	641 kg/m ³ ± 80 kg/m ³ (40 lb/ft ³ ± 5 lb/ft ³)
Core	Acrylic <i>Plus</i> Core
Color	Black
Break Resistant Liner	3M branded liner, red polyethylene, pressure sensitive adhesive side siliconized
Adhesives	<ul style="list-style-type: none">• Liner side: pressure-sensitive, SB2 adhesive for adhesion to modern, clearcoat chemistries• Non liner side: heat-activated, E2 adhesive for adhesion to seals
Volatile Organic Compounds	<ul style="list-style-type: none">• 84% reduction in VOCs compared to 3M™ Acrylic <i>Plus</i> Tape WT4112• 79% reduction in VOCs compared to 3M™ Acrylic <i>Plus</i> Tape ST1200
Fogging	<ul style="list-style-type: none">• 94% reduction in FOG compared to 3M Acrylic <i>Plus</i> Tape WT4112• 87% reduction in FOG compared to 3M Acrylic <i>Plus</i> Tape ST1200

*Volatiles and fogging values measured using VDA278

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 and Storage Conditions

Two years from date of manufacturing. 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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