



Technical Data Sheet

3M™ Weatherban™ Ribbon Sealant PF 5422



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

3M™ Weatherban™ Ribbon Sealant PF 5422 is a supported synthetic rubber sealant in ribbon form. It offers a watertight, gasket-like seal in applications such as bedding glass, around window and door frames, etc. It can also act as a metal seam sealer in overlap seams, building panels, rain gutters, and can be used in conjunction with mechanical fasteners. It offers outstanding resistance to weathering, and develops good adhesion to glass, metal, and most other surfaces.

Product Features

- Protective liner and sealant are different widths for easy release.
- Maintain tack at temperatures as low as 40°F (5°C) permitting application in unheated area.
- Stays in position on vertical or overhead surfaces.
- Easy hand layup – no special equipment needed.
- Repositionable during application. Builds aggressive adhesion with time.
- Solvent-free.
- No shrinkage.
- Vibration and sound dampening qualities.
- Helps prevent bimetallic (galvanic cell action) corrosion, when placed between metal surfaces.
- May be positioned side by side to achieve varying widths.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Uncured Physical Properties

Attribute Name	Value
Base	Oil Soluble Elastomer

Typical Physical Properties

Attribute Name	Value
Color	Black
Thickness	3.18 mm (125 mil)
Solids Content by Weight	100 %
Form	Tacky Pre-formed Ribbon Sealant with Cotton Thread Scrim
Specific Gravity	1.52
*Note	Weatherban PF 5422 is not resistant to oil, gasoline, or solvents and should not be used in applications where exposure is possible.

Attribute Name	Temperature	Value
Flow Characteristics - Thickness	22 °C (72 °F)	0.38 mm (15 mil) ¹
Flow Characteristics - Thickness	49 °C (120 °F)	0.64 mm (25 mil) ¹
Flow Characteristics - Area	22 °C (72 °F)	0.79 mm (31 mil) ¹
Flow Characteristics - Area	49 °C (120 °F)	1.57 mm (62 mil) ¹

¹ 1" x 1" x 1/8" specimen under 10 pounds compression for 24 hours.

Typical Cured Characteristics

Attribute Name	Test Method	Value
Shore A Hardness	ASTM C661	30

Typical Performance Characteristics

Attribute Name	Value
Elongation	200 % ¹
Tensile Strength	33 lb/in ² ¹
Low Temperature Flexibility	3M™ Weatherban™ Ribbon Sealant PF 5422 placed on a 0.040" bare aluminum panel and bent over a 1/2" diameter mandrel at -40°F (-40°C) exhibited excellent flexibility with no loss of adhesion.

¹ 5 in per min

Typical Environmental Characteristics

Water Resistance

After a 1/16" ribbon is sandwiched between two galvanized panels and immersed in water for 7 days at 75°F (24°C), the sealer remains unaffected and the panels show no sign of corrosion.

Handling/Application Information

Directions for Use

All surfaces to which 3M™ Weatherban™ Ribbon Sealant PF 5422 is applied should be free from dust, dirt, grease or other contamination. Temperature of the sealant and surfaces to be bonded should be 40°F (4°C) or above. Weatherban PF 5422 is supplied in roll form on a liner. Lay or press the sealant in place, remove and discard the liner. Weatherban PF 5422 has sufficient tack to adhere to most surfaces at temperatures as low as 40°F (4°C). Cleanup can be accomplished with a solvent such as 3M™ Scotch-Grip™ Solvent No. 2 or 3M™ Citrus Base Industrial Cleaner.*

*Note: When using solvents, extinguish all ignition sources and follow the manufacturer's precautions and directions for use.

Storage and Shelf Life

Store product at 60-80°F (15-27°C) for maximum storage life. Higher temperatures reduce normal storage life. Rotate stock on a "first in-first out" basis.

When stored at the recommended conditions in the original unopened package, this product has a shelf life of 24 months.

Available Sizes

Attribute Name	Value
Available Width	9.53, 12.7, 19, 25.4, 38.1, 50.8 mm (3/8, 1/2, 3/4, 1, 1 1/2, 2 in)
Note	Subject to Minimum Order Requirements

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

Automotive Disclaimer

Select Automotive Applications: This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

Information

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ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/adhesives. Address correspondence to: 3M Engineered Adhesives Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

3M
Industrial Adhesives and Tapes Division
3M Center, Building 225-35-06
St. Paul, MN 55144-1000
800-362-3550

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