



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 under normal conditions of 16° to 27°C (60° to 80°F) in the original, unopened packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

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

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

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, or death. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com.

ISO Statement

This 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.

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

©3M 2024 (6/24)