

3M

ScotchPad™

Filament Tape Pads

819

Technical Data

April, 2003

Product Description 3M™ ScotchPad™ Filament Tape Pad 819 is a pre-cut pad formed with layered high performance filament tape sheets featuring biaxially oriented polypropylene backing with continuous glass yarns that reinforce each sheet in both longitudinal and transverse directions. The adhesive on each sheet is specifically formulated to provide good adhesion to a wide variety of surfaces including metal, plastic, and fiberboard. Each piece of tape is coupled with a tab for easy handling and dispensing without the need for a dispenser. These sheets can be used for attaching, hinging, fastening, and sealing in many industrial, manufacturing and packaging applications.

Construction	Backing	Adhesive	Reinforcement	Backing Color
	3M™ Scotchpro™ polypropylene film	Pressure sensitive synthetic rubber resin	Bi-directional glass yarn	Clear

Typical Physical Properties

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

		ASTM Test Method
Adhesion to Steel:	100 oz./in. width (109 N/100 mm width)	D-3330
Tensile Strength:	150 lbs./in. width (2600 N/100 mm width)	D-3759
Elongation at Break:	6%	D-3759
Total Thickness:	5.7 mil (0.14 mm)	D-3652

- Features**
- Pre-cut individual sheets layered 25 to a back sheet.
 - Abrasion and water resistant.
 - Excellent shear adhesion.
 - High initial adhesive tack.
 - Easy removal of a single sheet.
 - Portable and lightweight.
 - Dust free adhesive surface.
 - Exact replication.
 - Tab can be removed or left on applied tape.
 - High strength hold in most hinging operations.
 - Holds tight to most cartons and containers.
 - Holds securely for temporary or permanent application.
 - Removes quickly and easily if tab is left on.
 - Attaches loose parts during manufacturing.
 - Easy to carry sheets in pad form.
 - Quick efficient usage.
 - Eliminates need for dispenser.
 - Labor saving.

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Available Sizes Standard Widths: 2 in. x 6 in. and 2 in. x 8 in. – 200 pads per case

Application Techniques 3M™ ScotchPad™ Filament Tape Pad 819 should be removed one at a time by grasping the end with a tab and pulling the sheet free from the pad. Place the far end of the sheet in the desired location and allow the sheet to adhere from that end back to the tabbed end. Flip out the tab (if desired) and press the whole sheet flat. The pad can be stuck in a convenient place if the back sheet of the pad is peeled away and the pad is placed on a vertical surface or on a table as only one hand is needed to dispense tape sheets for use. Application of ScotchPad 819 sheets is easiest at room temperature because at colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm. Once applied, ScotchPad 819 performs well throughout the normal temperature range typically encountered by packaged products in shipping and storage environments.

Storage Conditions Store behind present stock. Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40-50% relative humidity are recommended. Rotate your stock.

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/packaging. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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