



Technical Data Sheet

3M™ Polyester Film Tape 8412



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

3M™ Polyester Film Tape 8412 has excellent tensile strength and abrasion resistance, that can be used for many permanent edging and reinforcing types of applications.

Product Features

- Polyester backing provides puncture resistance.
- Long aging acrylic adhesive to help reduce failures often caused by adhesive degradation.

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 Physical Properties

Attribute Name	Test Method	Value
Color		Transparent
Adhesive Type		Acrylic
Backing		Polyester
Backing Thickness	ASTM D3652	0.11 mm (4.6 mil)
Total Tape Thickness	ASTM D3652	0.16 mm (6.3 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	4.6 N/cm (42 oz/in) ¹
Elongation at Break	ASTM D3759		130 %
Tensile Strength	ASTM D3759		210.2 N/cm (120 lb/in)

¹ 304 mm/min (12 in/min)

Attribute Name	Value
Temperature Use Range note	Dimensionally stable over temperature range from -60° to 300°F (-50° to 149°C)
Long Term Temperature Resistance	150 °C (300 °F) ¹
Minimum Long Term Temperature Resistance	-60 °C (-50 °F) ¹

¹ Long Term (day, weeks)

Handling/Application Information

Application Examples

- Protection from abrasion.
- Applications requiring puncture resistance.
- Printing plate, registration hole reinforcement.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	66 m (72 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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

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