



Technical Data Sheet

3M™ Safety Backing Tape 960G



[Product Details](#)

Product Description

3M™ Safety Backing Tape 960G is a unique bidirectional woven copolymer film. When appropriately applied to customers' suitable substrates, this film can enhance impact resistance. The tough film, coupled with a high performance acrylic adhesive, creates a reliable bond on mirrored and glass surfaces, providing excellent performance and durability.

Product Features

- Acrylic adhesive has excellent adhesion to mirrored and glass surfaces.
- Bidirectional woven copolymer provides greater dimensional stability, as well as additional puncture resistance.

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		White
Adhesive Type		Acrylic
Backing		Bidirectional Woven Copolymer
Total Tape Thickness	ASTM D3652	0.18 mm (7 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	2.4 N/cm (22 oz/in) ¹
Elongation at Break	ASTM D3759		30 %
Tensile Strength	ASTM D3759		96.3 N/cm (55 lb/in)
Long Term Temperature Resistance			175 °C (79 °F) ²
Minimum Long Term Temperature Resistance			-40 °C (-40 °F) ²

¹ 304 mm/min (12 in/min)

² Long Term (day, weeks)

Handling/Application Information

Application Examples

- Mirror or glass protection during handling.
- Safety backing on silvered float glass and fully tempered mirrors.
- Applied to customers' suitable surfaces for enhanced impact resistance, which can assist with passing CRL Category II shatter-proofing, ANSI Z97.1-1984, and British Standards BS-6206 Class A, 400fp specifications. Independent testing is required.

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	65.8 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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