Technical Data Sheet

3M™ Polyester Tape 8993LC

Product Description

3M™ Polyester Tape 8993LC has a polyester film backing with a thin coat of silicone adhesive. Designed to protect finished surfaces from light abrasion, nicks and scratches during production, packaging, and installation.

Product Features

•;Strong backing provides excellent abrasion, tear, scratch, puncture and moisture resistance to help protect surfaces.
•;The transparent backing allows for visual inspection without tape removal.
•;Provides good initial tack and holding strength.
•;Low tack silicone adhesive adheres to a wide variety of surfaces with minimal adhesion build-up and clean removal when finished.
•;High temperature – clean removal from stainless steel, aluminum, and glass after short exposures to 400°F (204°C) bake cycles.

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		Clear
Adhesive Type		Silicone
Backing		Polyester
Backing Thickness	ASTM D3652	0.075 mm (3 mil)
Total Tape Thickness	ASTM D3652	0.08 mm (3.2 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	0.014 N/cm (0.13 oz/in) [1]
Elongation at Break	ASTM D3759		170 %
Tensile Strength	ASTM D3759		1610 N/cm (92 lb/in)
Long Term Temperature Resistance			204 °C (400 °F) [2]

[1] 304 mm/min (12 in/min)
[2] Long Term (day, weeks)

Handling/Application Information

Application Examples

•;Holding materials during processing.
•;Protection of finished surfaces.

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 24 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	457.2 m (500 yd)

Information

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ISO Statement

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

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