English-US

Last Revision Date: September, 2024

Supersedes: June, 2024

Technical Data Sheet

3M™ Scotch® Transparent Film Tape 640

Product Details

Product Description

Scotch® 640 is a transparent film tape used for sealing, tabbing, splicing, various inner-pack applications and garment applications. This product has a conformable backing and a consistent pressure sensitive acrylic adhesive system.

Product Features

- Adheres instantly to a variety of surfaces
- Removes cleanly from garments treated with a variety of finishing and treatments. Non-staining or yellowing.
- Roll to roll consistency increases productivity for improved unit costs.
- Complies with environmental considerations of ASTM D 1974-92

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		Pressure sensitive acrylic
Backing		Paklon™
Backing Thickness	ASTM D3652	0.03 mm (1.2 mil)
Total Tape Thickness	ASTM D3652	0.048 mm (1.9 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	2.5 N/cm (22 oz/in) [1]
Tensile Strength	ASTM D3759		56 N/cm (32 lb/in) [2]
Elongation at Break	ASTM D3759		65 %

[1] 304 mm/min (12 in/min)

[2] Machine Direction

Handling/Application Information

Application Techniques

An extensive line of application equipment including hand held manual dispensers and semi-automatic and fully automatic equipment is available. Application of Scotch® Transparent Film Tape 640 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm. Once applied, Scotch® Tape 640 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage requirements.

Storage and Shelf Life

Store under normal conditions of 4° to 27°C (40° to 80°F) and 40 to 50% 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
Core Size (ID)	76.2 mm (3 in)
Standard Roll Length	66 m (72 yd)
Standard Width	12.7, 19, 25.4, 38.1, 50.8 mm (1/2, 3/4, 1, 1.5, 2 in)

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ISO Statement

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

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