



Technical Data Sheet

3M™ Polypropylene Film Tape 8051



[Product Details](#)

Product Description

3M™ Polypropylene Film Tape 8051 can double as a printable packaging tape. As a laminating film tape using 3M™ Adhesive 700, it will protect and enhance the appearance of printed labels. As a printable tape, its strong backing provides conformability and resists edge tearing.

Product Features

- High bond strength to resist edge lifting.
- Transparent polypropylene to resist corrosive effect of acids, alkalis, and moisture.
- Printable with standard flexo inks utilizing the “Print Seal” Process.
- Excellent die cuttability on paper and film label stocks.

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		700 Series Rubber
Adhesive Thickness		0.025 mm (1 mil)
Backing		Transparent Polypropylene
Backing Thickness	ASTM D3652	0.023 mm (0.9 mil)
Total Tape Thickness	ASTM D3652	0.048 mm (1.9 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Test Condition	Substrate	Value
180° Peel Adhesion	ASTM D3330	72 h	23 °C (73 °F)		Stainless Steel	49.3 N/100mm (45.0 oz/in) ¹
Elongation at Break	ASTM D3759					160 %
Tensile Strength	ASTM D3759			Machine Direction		385 N/100mm (22 lb/in)
Tensile Strength	ASTM D3759			Cross Direction		771 N/100mm (44 lb/in)

¹ 304 mm/min (12 in/min)

Processing

- Easily die cut when used as an overlamine on most label stocks. For best results use a sharp polyester die.
- Printable by the “Print Seal” method utilizing standard flexographic inks. Use Scotch® Print Seal 1000*.
- Since the adhesive is very aggressive, the central impression cylinder should be treated for release or wrapped with a Teflon® tape to avoid adhesive blocking to the cylinder.

* Contact laboratory for details

Handling/Application Information

Application Examples

- Battery label overlaminates.
- Abrasion resistant overlaminates.
- Bundling tape for irregular shaped packages.
- Packaging, sealing and unitizing combination deals.

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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