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3M™ Polypropylene Film Tape 8051

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

Property	Values		Method
Color	Transparent		
Total Tape Thickness	0.048 mm	1.9 mil	ASTM D3652
Backing Thickness	0.023 mm	0.9 mil	ASTM D3652
Backing	Transparent Polypropylene		
Adhesive	700 Series Rubber		
Adhesive Thickness	0.025 mm	1 mil	ASTM D3652

Typical Performance Characteristics

Property	Values		Method	Dwell/Cure Time	Dwell Time Units	Substrate	Backing	Notes
180° Peel Adhesion	45 oz/in	49.3 N/100mm	ASTM D3330	72	hr	Stainless Steel	2 mil Aluminum Foil	12 in/min (300 mm/min)
Elongation at Break	160 %		ASTM D3759					

Tensile Strength		Test Condition
385 N/100mm	22 lb/in	Machine Direction
771 N/100mm	44 lb/in	Cross Direction

Property: Tensile Strength
Method: ASTM D3759

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

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Handling/Application Information

Application Ideas

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

Trademarks

Teflon is a registered trademark of E.I. DuPont de Nemours Co.

References

Safety Data Sheet (SDS)

https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=8051

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Information

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