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3M™ Scotch® Superior Performance Box Sealing Tape 355

Product Description

Product Description Scotch® Box Sealing Tape 355 is a superior performance packaging tape used for box sealing, splicing, recouperage and other demanding packaging applications. This product has a strong abrasion resistant backing and a very consistent pressure sensitive hot melt adhesive system available. This time proven construction assures high performance in a wide range of environments and applications.

Product Features

- Pressure sensitive hot melt rubber-resin adhesive.
- Can be certified to Fed. Spec. PPP-T-60E, Amend. 2, Type III, Class 2 (clear), CID A-A-1830B (clear), ASTM D5486 Type I, Class 2, Type II, Class 1 upon request.
- Adheres instantly to most surfaces, including cartons containing high levels of recycled content.
- Strong abrasion resistant backing with high edge tear and split resistance.
- Superior performance ensures reliable closures.



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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	Substrate
Color	Clear and Tan			
Total Tape Thickness	0.087 mm	3.43 mil	ASTM D3652	
Backing Thickness	0.051 mm	2.0 mil	ASTM D3652	
Backing	Biaxially oriented polyester film			
Adhesive	Pressure sensitive hot melt rubber-resin			
Holding Power	14,000+ min		ASTM D3654	Fiberboard

Typical Performance Characteristics

Property	Values		Method	Dwell/Cure Time	Substrate	Backing	Notes
180° Peel Adhesion	78 oz/in	85.4 N/100mm	ASTM D3330	72 hr	Stainless Steel	2 mil Aluminum Foil	12 in/min (305 mm/min)
Elongation at Break	130 %		ASTM D3759				

Tensile Strength	Test Condition
1173 N/100mm	67 lb/in Machine Direction
1208 N/100mm	69 lb/in Cross Direction

Property: Tensile Strength
Method: ASTM D3759

Available Sizes

Property	Values		Attribute Modifier
Standard Roll Length	50, 914 m	55, 1000 yd	
Standard Width	36, 48, 72 mm	1.4, 1.9, 2.8 in	
Core Size	76.2 mm	3 in	ID

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Available Sizes (continued)

Note

Imperial widths (1 1/2 in, 2 in, 3 in) and lengths (60 yd, 1000 yd) are available. Custom widths available upon request.

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® Box Sealing Tape 355 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm. Once applied, Scotch® Tape 355 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments.

Storage and Shelf Life

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. To obtain best performance, use this product within 18 months from date of manufacture.

Industry Specifications

- Can be certified to Fed. Spec. PPP-T-60E, Amend. 2, Type III, Class 2 (clear) upon request.
- Can be certified to CID A-A-1830B (clear) upon request.

Trademarks

Scotch is a registered trademark of 3M.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/-/Scotch-Box-Sealing-Tape-355?N=5002385+3293242186&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=355

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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