

March, 2008

3M™ Double Coated Splicing Tape 9738

Product Description

3M™ Splicing Tapes 9738 and 9738R are similar products, but produced with a nonwoven tissue carrier. These products offer good temperature resistance and adhere well to kraft and coated papers. These high performance splicing tapes are appropriate for use on paper, plastics and other continuous web processes. Especially appropriate in the manufacture of corrugated paper.

Product Features

- Versatile splicing tape product meets a wide variety of application requirements.
- Excellent peel, tack and shear.
- Adheres well to Kraft and coated papers.
- Moisture resistant.
- Good temperature resistance.
- Excellent performance at high and low temperatures.



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	
Color	Clear	
Tape Thickness	0.1092 mm	4.3 mil
Carrier Thickness	0.033 mm	1.3 mil
Adhesive Carrier	Non-Woven Tissue	
Liner	55# Densified Kraft Paper	
Liner Thickness	0.081 mm	3.2 mil
Liner Color	White	

Typical Performance Characteristics

Property	Values		Dwell/Cure Time	Substrate	Test Condition	Notes
Peel Adhesion	6.6 N/cm	60 oz/in	Initial @ Room Temperature	Steel		
Minimum Continuous Temperature	-23 °C	-10 °F				
Static Shear	>500 h				1000 g @ Room Temperature	1in x 1in

Relative High Temperature Operating Ranges	Test Condition
149 °C	300 °F Short Term (minutes, hours)
127 °C	260 °F Long Term (days, weeks)

Property: Relative High Temperature Operating Ranges

Available Sizes

Please contact your 3M sales representative or contact 3M customer service at 1-800-362-3550 for details on available sizes.

Handling/Application Information

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact. Firm application pressure helps ensure better adhesive contact and improve bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry, and uniform. Some typical surface cleaning solvents are isopropyl alcohol or heptane.* Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

*Note: When using solvents, extinguish all ignition sources, including pilot lights, and follow the manufacturer’s precautions and directions for use.

Application Equipment

For additional dispenser information, contact your local 3M sales representative, or the toll free 3M sales assistance number at 1-800-362-3550.

Storage and Shelf Life

Store in original cartons at 70°F (21°C) and 50% relative humidity.

If stored under proper conditions, product retains its performance and properties for 12 months from date of manufacture.

Trademarks

3M is a trademark of 3M Company.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Double-Coated-Tape-9738?N=5002385+3293242575&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=9738

Family Group

	9737	9737R	9738	9738R
Relative High Temperature Operating Ranges (°C) Test Condition: Short Term (minutes, hours)	149	149	149	149
Relative High Temperature Operating Ranges (°C) Test Condition: Long Term (days, weeks)	127	127	127	127
Color	Clear	Red	Clear	Red
Tape Thickness (mm)	0.0889	0.0889	0.1092	0.1092
Carrier Thickness (mm)	0.0127	0.0127	0.033	0.033
Adhesive Carrier	Polyester	Polyester	Non-Woven Tissue	Non-Woven Tissue

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Family Group (continued)

	9737	9737R	9738	9738R
Liner	55# Densified Kraft Paper	55# Densified Kraft Paper	55# Densified Kraft Paper	55# Densified Kraft Paper
Liner Thickness (mm)	0.081	0.081	0.081	0.081
Liner Color	White	White	White	White

ISO Statement

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

Recognition/Certification

MSDS: 3M has not prepared MSDS's for these products which are not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, these products should not present a health and safety hazard. However, use or processing of these products in a manner not in accordance with the directions for use may affect their performance and present potential health and safety hazards.

TSCA: These product are not defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.

Information

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