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Technical Data Sheet

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

Attribute Name	Test Method	Value
Color		Clear
Adhesive Carrier		Non-Woven Tissue
Total Tape Thickness	ASTM D3652	0.1092 mm (4.3 mil)
Carrier Thickness		0.033 mm (1.3 mil)
Liner		55# Densified Kraft Paper
Liner Thickness		0.081 mm (3.2 mil)
Primary Liner Color		White

Typical Performance Characteristics

Temperature: 23 °C (73 °F)

Attribute Name	Test Condition	Substrate	Backing	Value
180° Peel Adhesion		Steel	2 mil Aluminum Foil	6.6 N/cm (60 oz/in) [1]
Static Shear	1000 g			>500 h [2]

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

[2] 25 x 25 mm (1 in x 1 in) sample area, test terminated after 10,000 minutes

Attribute Name	Value
Minimum Continuous Temperature	-23 °C (-10 °F)
Short Term Temperature Resistance	149 °C (300 °F) [1]
Long Term Temperature Resistance	127 °C (260 °F) [2]

[1] Short Term (minutes, hour)

[2] Long Term (day, weeks)

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 under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

Available Sizes - Detailed

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

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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ISO Statement

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

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