English-US

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Technical Data Sheet

3M™ Double Coated Tape 9741R

Regulatory Info/SDS

Product Description

3M™ Double Coated Tape 9741R is a 6.5 mil double coated tape utilizing a 0.5 milhand-tearable polyester film heavily coated on both sides with 3 mils of an ultra high peel acrylic adhesive system. The heavy adhesive deposition allows for superior bonding and conformability to irregular as well as flat surfaces. The special acrylic adhesive, bonds well to most substrates including low surface energy plastics. This product provides excellent U.V. and heat resistance. Super aggressive splicing tape for demanding applications.

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		Red
Adhesive Type		Acrylic
Adhesive Carrier		Polyester
Total Tape Thickness	ASTM D3652	0.165 mm (6.5 mil)
Adhesive Thickness		0.076 mm (3 mil)
Carrier Thickness		0.013 mm (0.5 mil)
Liner		55# Glassine
Liner Thickness		0.07 mm (3 mil)

Typical Performance Characteristics

Substrate: Steel
Temperature: 22 °C (72 °F)
Backing: 2 mil Aluminum Foil

Attribute Name	Value
180° Peel Adhesion	13 N/cm (120 oz/in) [1]

[1] 12 in/min (300 mm/min)

Attribute Name	Value
Minimum Continuous Temperature	-40 °C (-40 °F)
Short Term Temperature Resistance	93 °C (200 °F) [1]
Long Term Temperature Resistance	49 °C (120 °F) [2]

[1] Short Term (minutes, hour)
[2] Long Term (day, weeks)

Handling/Application Information

Application Examples

For bonding irregular surfaces, bonding to plastics and metal profile extrusions, bonding of decorative trim

Application Techniques

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

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. 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: Carefully read and follow the manufacturer's precautions and directions for use when using solvents.

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 24 months from date of manufacture.

Available Sizes - Detailed

Please contact your 3M sales representative or customer service at 1-800-362-3550 for sizes and availability.

Recognition/Certification

MSDS:3M has not prepared an MSDS for this product which is 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, this product should not present a health and safety hazard. However, use or processing of this product in a manner not in accordance with the directions for use may affect its performance and present potential health and safety hazards.
TSCA: This product is not defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements.

Automotive Disclaimer

Select Automotive Applications:
This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

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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