

March, 2008

3M™ Double Coated Tape 9741

Product Description

3M™ Double Coated Tape 9741 is a 6.5 mil double coated tape utilizing a 0.5 mil hand-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

Property	Values	
Color	Clear	
Total Tape Thickness without liner	0.165 mm	6.5 mil
Carrier Thickness	0.013 mm	0.5 mil
Adhesive	Acrylic	
Adhesive Carrier	Polyester	
Adhesive Thickness	0.076 mm	3 mil
Liner	55# Glassine	

Typical Performance Characteristics

Property	Values		Dwell/Cure Time	Substrate	Notes	Test Condition
Peel Adhesion	13 N/cm	120 oz/in	Initial	Steel	12 in/min (305 mm/min)	
Relative High Temperature Operating Ranges	93 °C	200 °F				Short Term (minutes, hours)
Minimum Continuous Temperature	-40 °C	-40 °F				

Available Sizes

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

Handling/Application Information

Property	Values
Application Ideas	For bonding irregular surfaces, bonding to plastics and metal profile extrusions, bonding of decorative trim; also used as a universal all-purpose double coated tape. Used extensively for seaming vinyl banners.

Table continued on next page

Handling/Application Information (continued)

Property	Values
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.

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.

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 24 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-9741?N=5002385+3293241666&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=9741

Family Group

	9741	9741R
Relative High Temperature Operating Ranges (°C) Test Condition: Short Term (minutes, hours)	93	93
Color	Clear	Red
Total Tape Thickness without liner (mm)	0.165	0.165
Carrier Thickness (mm)	0.013	0.013
Adhesive	Acrylic	Acrylic

Table continued on next page

Family Group (continued)

	9741	9741R
Adhesive Carrier	Polyester	Polyester
Adhesive Thickness (mm)	0.076	0.076
Liner	55# Glassine	55# Glassine

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 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.

Information

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

