



Double Coated Tape

9740

Technical Data

March, 2008

Product Description

3M™ Double Coated Tape 9740 is a 3.5 mil double coated tape utilizing a 0.5 mil (12 microns) polyester film coated on both sides with 1.5 mils (38 microns) of a high shear acrylic adhesive system. This adhesive system allows for superior bonding and conformability to irregular as well as flat surfaces, and bonds well to most substrates including most low surface energy plastics. Performance grade splicing tape for corrugators and other high temperature splicing applications.

Construction

Carrier:	Polyester
Adhesive:	Acrylic
Thickness:	
Total (excluding liner)	3.5 mils (88 microns)
Tape	1.5 mils (13 microns)
Carrier	0.5 mils (13 microns)
Tape	1.5 mils (38 microns)
Release Liner:	55# DK
Tape Color:	Clear

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Adhesion to Steel: (Initial, 12 in./min.)	75 oz./in. (21.2 N/25 mm)
Relative Temperature Operating Ranges:	
Minimum Continuous Temperature	10°F (-12°C)
Maximum Continuous Application Temperature (minutes, hours)	425°F (219°C)

Typical values are not intended to be used for specification development. Technical data is believed to be true and accurate.

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Application Designed where higher heat, shear and plasticizer resistance is required. For bonding irregular surfaces, bonding to plastics and metal extrusions, bonding of decorative trim. Also for high speed flying splices where heat resistance is required.

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

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

Shelf Life If stored under proper conditions, product retains its performance and properties for one year from date of manufacture.

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Certification/ Recognition

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.

Product Use

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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Adhesives and Tapes Division

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