

3M Double Coated Tissue Tape

90775

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Technical Data

Dec. 2010

Product Description

3M™ 90775 is a tissue tape with both side with a high adhesion acrylic pressure sensitive adhesive. This tape is protected by a polycoated white paper release liner with blue 3M logo printed.

It features dimensional stability and improved handling with ease of die cutting and laminating because of non-woven with high tensile strength. 3M™ High Performance Acrylic Adhesive provides high bond strength on many kinds of surfaces.

Feature

- 90775 provides excellent initial tack and adhesion to a wide variety surface including many low surface energy plastics.
- This tape has a non-woven carrier which can add dimensional stability and also makes it easier to handle the tape during punching use and die-cutting.

Application Idea

- General purpose joining and mounting application at indoor and outdoor use
- Holding and bonding of electronic parts
- Electronic Components Bonding / Attachments
- Appliance parts attachments

Construction

Product	90775
Adhesive Type	High Performance Acrylic adhesive
Tape Thickness	0.08 mm(± 15%)
Tape Color	Off-White
Carrier	Tissue
Release Liner	Silicone treated Poly Coated Kraft (Blue 3M logo printed)



Liner Thickness	0.135mm (± 10%)
Roll Size	1200mm wide 50M, 100M

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Typical Physical Properties and Performance Characteristics

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

Product	90775	
180 ° Peel Strength	<u>kg/in</u>	
ASTM D-3330		
Initial		
SS	1.0	
PC	1.0	
PP	0.6	
RT 72hr		
SS	1.1	
PC	1.3	
PP	0.7	
Tensile & Elongation		
ASTM D-3822		
D-5035	<u>MD</u>	<u>CD</u>
Tensile (kg/in)	4.0	0.8
Elongation (%)	5	2
Shear Strength		
ASTM D-3654 modified – (1 inch ²) on SUS		
1000gram at RT (23 ± 2 °C)	>10,000min	
Relative High Temperature Operating Ranges :		
Long Term(days, weeks)	195°F(90 °C)	
Short Term(minutes, hours)	250°F(120 °C)	
Release Level	25 g/in	
ASTM D-3330		
Shelf Life	12months from date of manufacture when stored in original cartons at room temperature & 50% RH	

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Application Technique

- Bond strength is dependent upon the amount of adhesive to surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength.
- To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Typical surface cleaning solvents are isopropyl alcohol and water (rubbing alcohol) or heptane.

Note : Be sure to follow manufacturer's safety precautions and directions for use when using solvents.

- 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.

For Additional Information

To request additional product information or to arrange for sales assistance, call 82-2-3771-4097. Address correspondence to : 3M Industrial Adhesive & Tapes Division, 3M Korea LTD, Hana Daetoo Securities BLDG 22nd Floor, Yoido Dong, Yongdeungpogu, Seoul, Korea. Our fax number is 82-2-786-7429

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ISO 9002

This Tape & Adhesives Organization product was manufactured under a 3M quality system registered to ISO 9002 standards.



Industrial Adhesives & Tapes Division

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