

# 3M Double Coated Tissue Tape

## 90775

### 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	<b><u>MD</u></b>	<b><u>CD</u></b>
Tensile (kg/in)	4.0	0.8
Elongation (%)	5	2
Shear Strength		
ASTM D-3654 modified – (1 inch <sup>2</sup> ) 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.

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## 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 22<sup>nd</sup> 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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