

3M

Repositionable Tape

776 • 776FL

Technical Data

July, 2011

Product Description 3M™ Repositionable Tape 776 is a double coated tape that is ideal for applications where one or both parts need to be repositioned or removed easily.

Construction	Product Number	Face Side Adhesive	Carrier	Back Side Adhesive	Release Liner	Tape Thickness	Liner Thickness	Tape Color
	776	400 Acrylic	1 mil (0.025 mm) Clear PET	1070 Acrylic	42# Densified Kraft Paper	3.0 mil (0.076 mm)	2.5 mil (0.064 mm)	Translucent
	776FL	400 Acrylic	1 mil (0.025 mm) Clear PET	1070 Acrylic	White PET	3.0 mil (0.076 mm)	2.0 mil (0.05 mm)	Translucent

Note 1: Faceside adhesive is on the interior of the roll, exposed when unwound.

Note 2: Backside adhesive is on the exterior of the roll, exposed when liner is removed.

Note 3: The caliper listed is based on a calculation from manufacturing controlled adhesive coat weights using a density of 1.012 g/cc.

Features

- Good adhesive anchorage to the film carrier provides one-piece tape removal from many surfaces.
- Slight side-to-side adhesion differential, therefore specific side removal can be accomplished if applied properly.
- Both adhesives are repositionable on substrates like metals, glass, polycarbonate and papers with good internal bond strength.
- The higher tack side of 3M Tape 776 is on the face side (interior of roll).
- The complete plastic construction of both tapes provides a hot wire cuttable feature for plastic packaging.

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.

Peel Adhesion to Stainless Steel: (ASTM D3330, 180° peel modified, 72 hour dwell)

Face Side		Back Side	
oz./in.	N/25.4 mm	oz./in.	N/25.4 mm
25	6.9	20	5.5

Liner Release

g/in.	g/25.4 mm
15	15

Relative Solvent Resistance: Good

UV Resistance: Excellent

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Available Sizes	Available Widths (Subject to Minimum Order Requirements):	
	Minimum:	1/4 in. (25.4 mm)
	Maximum:	48 in. (1168 mm)
	Normal Slitting Tolerance:	± 1/32 in. (0.8 mm)
	Core Size (ID):	3.0 in. (76.2 mm)
Application Techniques	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. Some typical surface cleaning solvents are isopropyl alcohol or heptane.*	
	*Note: Carefully read and follow the manufacturer's 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.	
Storage	Store at room temperature conditions of 72°F (22°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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Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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ISO 9001:2008

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008 standards.



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Printed in U.S.A.
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