



9096 scotchTM Double Coated Tape

Technical Data

Feb, 2004

Product Description

9096 ScotchTM Double Coated Tape consists of flexible non-woven and acrylic adhesive with excellent initial tack on both side with “3M” logo printed white paper liner.

Product Construction

9096 ScotchTM

Adhesive Type:	Transparent acrylic adhesive
Tape Thickness:	0.15mm(+/-)0.02
Liner color, Type:	White paper with “3M” logo printed in blue color
Liner caliper:	0.12mm(+/-) 0.01
Roll size:	1200mm

Features

- Excellent bond strength to Acrylic and HIPS.
- High initial tack for uneven surface
- Good adhesion to many kinds of materials including low surface energy plastics.
- Easy converting by die-cut
- Good roll stability

9096 Scotch™ Double coated Tape

Application Ideas

- Plastics attachment
- Insulator attachment
- General attachment
- Nameplate attachment

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.

	Test Method	9096
180 degree peel		
Adhesion to SUS: RT, 20min dwell	ASTM D 3330	1700g/25mm
Adhesion to Acrylic: RT, 20min dwell		1900g/25mm
Adhesion to HIPS: RT, 20min dwell		2200g/25mm
Static Shear		
Static shear to SUS: 1Kg load, 6.45cm ² overlap at RT	ASTM D 3654	10,000 minute
Liner Release (25.4mm width)		
Jaw speed: 305mm/min		Max. 50gram
Temperature Resistance		
Short Term (minutes, hours)		120 °C
Long Term (Days, Weeks)		90 °C
Shelf Life	Shelf life is 18 months from date of manufacture when stored in original cartons at 60-80 (15-27) and 40-50% relative humidity.	

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 surface 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 using solvents.
- Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surface 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 toll free 82-80-533-4114. Address correspondence to : 3M, Industrial Adhesive & Tape Division, 3M Korea LTD, Daehan Invest Trust BLDG 22nd floor , Yoido-Dong, Yongdeungpo-Gu, Seoul, Korea. Our fax number is 82-2-786-7429.

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ISO 9002

This Industrial Adhesive & Tape Division Product was manufactured under a 3M quality system registered to ISO9002 standards.

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3M Korea LTD, Daehan Invest Trust
BLDG 22nd, Yoido-Dong, Yongdeungpo-
Gu, Seoul Korea
www.3M.co.kr