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English-US

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Technical Data Sheet

3M™ Adhesive Transfer Tape 8056

Product Details

Regulatory Info/SDS

Product Description

0.005 in. (0.13 mm) thick adhesive transfer tape

Technical Information Note

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

Typical Physical Properties

Attribute Name	Test Method	Value
Color		Clear
Adhesive Type		Acrylic
Total Tape Thickness	ASTM D3652	0.13 mm (5 mil)
Liner		60# Densified Kraft Paper
Liner Thickness		0.1 mm (4 mil)
Primary Liner Color		Tan

Typical Performance Characteristics

Temperature: 23 °C (73 °F)
Backing: 2 mil Aluminum Foil

Attribute Name	Test Method	Value
180° Peel Adhesion	ASTM D3330	3.8 N/cm (35 oz/in) [1]

[1] 304 mm/min (12 in/min)

Attribute Name	Value
Short Term Temperature Resistance	65 °C (150 °F) [1]
Long Term Temperature Resistance	48 °C (120 °F) [2]

[1] Short Term (minutes, hour)

[2] Long Term (day, weeks)

Typical Environmental Performance

Attribute Name	Value
Solvent Resistance	Low
UV Resistance	Excellent

Handling/Application Information

Application Examples

The very aggressive adhesive of adhesive transfer tape 8056 is ideal for making many zero speed and flying splices. It has been used on many webs that are difficult to splice because of “hard-to-stick to” coatings on the web.
Some applications ideas include:
• Flying splices on coated papers.
• Flying splices on chemically saturated non-woven fabric.
• Zero speed splices on chemically saturated low density foam.
• Flying splices on vinyl and rubber coated fabric.
• Flying splices on polyethylene.

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: 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 20°F (-7°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Width	Value
Core Size (ID)		76.2 mm (3 in)
Maximum Available Width		584 mm (23 in)
Maximum Length	1/2 in to 1 in widths	54.9 m (60 yd)
Maximum Length	1 in to maximum	165 m (180 yd)
Minimum Available Width		12.7 mm (1/2 in)
Normal Slitting Tolerance		± 0.8 mm (± 1/32 in)
Note		Subject to Minimum Order Requirements
Standard Roll Length		54.9 m (60 yd)

Recognition/Certification

MSDS:3M has not prepared a 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, the product should not present a health and safety hazard. However, use or processing of the 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 defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements.

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/bonding.

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