



Double Coated Removable Foam Tape 4451

Technical Data

July, 2007

Product Description 3M™ Double Coated Removable Foam Tape 4451 offers high quick stick to many types of surfaces. This unique rubber adhesive system offers clean removal from many solid surfaces.

Construction	Adhesive:	Synthetic Rubber
	Foam Type:	Polyethylene
	Foam Color:	Black
	Foam Density:	18 lbs./ft. ³
	Tape Thickness:	32 mils, 1/32 in. (81 mm)
	Liner Thickness:	3.5 mils
	Tape w/liner:	35.5 mils
	Liner Color:	Tan
	Liner Type:	60 lb. Polycoated Kraft Paper

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.

ASTM 3330, 90° Peel Adhesions

From stainless steel, with 5 mil anodized aluminum foil used as the backing.
10 lb. roll down. 1 pass @ direction at 12 in./minute.

No Dwell	6+ lbs./inch width
72 Hr. RT Dwell	10+ lbs./inch width

Dynamic Shear: TM 1720 140 PSI

Static Shears: TM1725

Stainless Steel .5 in. x 1 in.

RT with 1,000 grams	10,000 minutes+
120°F (49°C) with 500 grams	10,000 minutes+
158°F (70°C) with 250 grams	10,000 minutes+

Temperature Resistance

Short Term: (minutes, hours):	150°F (66°C)
Long Term: (days, weeks):	120°F (49°C)

Available Sizes

Standard Length:	72 yds. (66 m)
Maximum Length:	108 yds. (99 m)
Minimum Width:	1/4 in. (6.4 mm)
Slitting Tolerance:	± 1/32 in. (0.8 mm)
Core Size (ID):	3.0 in. (76.2 mm)

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Storage	Store in the original cartons at 70°F (21°C) and 50% relative humidity.
Shelf Life	To obtain best performance, use this product within 12 months from date of manufacture.
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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



**Industrial Business
Industrial Adhesives and Tapes Division**

3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (fax)
www.3M.com/industrial



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