

3M 444 Double Coated Tapes with Adhesive 300

Category : Polymer , Adhesive

Material Notes:

3M™ Double Coated Tapes with 3M™ Adhesive 300 feature a thin polyester film for dimensional stability and improved handling with ease of die cutting and laminating. The high tack adhesive provides relatively high initial adhesion and good shear holding power to a variety of surfaces. The carrier also provides easier handling during slitting and die cutting. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-444-Double-Coated-Tapes-with-Adhesive-300.php

Physical Properties	Metric	English	Comments
Thickness	12.7 microns	0.500 mil	Carrier
	35.6 microns	1.40 mil	Backside Adhesive
	50.8 microns	2.00 mil	Faceside Adhesive
	76.2 microns	3.00 mil	Liner Caliper
	99.1 microns	3.90 mil	Tape

Mechanical Properties	Metric	English	Comments
Peel Strength	0.351 kN/m	2.00 pli	to stainless steel, 90°, 15 min RT; ASTM D3330
	0.47112 kN/m	2.6875 pli	to Polypropylene, 90°, 2 mil al foil, 72 hr RT; ASTM D3330
	0.60259 kN/m	3.4375 pli	to ABS, 90°, 2 mil al foil, 72 hr RT; ASTM D3330
	0.66833 kN/m	3.8125 pli	to stainless steel, 90°, 72 hr RT; ASTM D3330
	0.66833 kN/m	3.8125 pli	to Polyester, 90°, 2 mil al foil, 72 hr RT; ASTM D3330
	0.701 kN/m	4.00 pli	to Polycarbonate, 90°, 2 mil al foil, 72 hr RT; ASTM D3330
	0.95319 kN/m	5.4375 pli	to stainless steel, 90°, 72 hr at 70°C; ASTM D3330
	1.2600 kN/m	7.1875 pli	to stainless steel, 180°, 2 mil al foil, 72 hr RT; ASTM D3330

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.0 °C	180 °F	Long term
	121 °C	250 °F	Short term

Processing Properties	Metric	English	Comments
Shelf Life	24.0 Month	24.0 Month	

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