

3M 7811 Dot Matrix Printable Polyimide Label Material

Category : Polymer , Adhesive

Material Notes:

3M™ Dot Matrix Printable Polyimide Label Material 7811 is a polyimide film product that offers ultra-high temperature performance. This label product utilizes 3M™ Adhesive 100, that can withstand up to 450°F (232°C) short-term heat resistance, has excellent solvent resistance, and exhibits low outgassing characteristics. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-7811-Dot-Matrix-Printable-Polyimide-Label-Material.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Facestock, Matte White
	50.8 microns	2.00 mil	Facestock, Polyimide Film
	50.8 microns	2.00 mil	Adhesive
	81.3 microns	3.20 mil	Liner

Mechanical Properties	Metric	English	Comments
Peel Strength	0.351 kN/m	2.00 pli	Stainless Steel, 180° Peel, 10 min Dwell at RT; ASTM D3330
	0.3725 kN/m	2.125 pli	Polycarbonate, 180° Peel, 10 min Dwell at RT; ASTM D3330
	0.482 kN/m	2.75 pli	Epoxy PC Board, 180° Peel, 10 min Dwell at RT; ASTM D3330
	0.482 kN/m	2.75 pli	Epoxy PC Board, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.58068 kN/m	3.3125 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.614 kN/m	3.50 pli	Polycarbonate, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.6355 kN/m	3.625 pli	Polycarbonate, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.6793 kN/m	3.875 pli	Epoxy PC Board, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.6793 kN/m	3.875 pli	Polycarbonate, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.701 kN/m	4.00 pli	Stainless Steel, 180° Peel, Conditioned for 24 hrs at 32°C at 90%

Mechanical Properties	Metric	English	RH: ASTM D3330 Comments
	0.7231 kN/m	4.125 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.73407 kN/m	4.1875 pli	Epoxy PC Board, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330

Processing Properties	Metric	English	Comments
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Adhesive Type	100 Acrylic	
Liner	50# Densified Kraft	

Contact Songhan Plastic Technology Co.,Ltd.

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