

3M 7903FL Screen Printable Sheet Polyester Label Material

Category : Polymer , Adhesive

Material Notes:

3M™ Screen Printable Sheet Polyester Label Materials are durable, high performance materials that offer excellent thermal stability, moisture resistance and chemical resistance. These materials utilize 3M™ Adhesive 350, which is designed to permanently bond to high and low surface energy plastics, textured and contoured surfaces, powder coatings, and slightly oily metals. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-7903FL-Screen-Printable-Sheet-Polyester-Label-Material.php

Physical Properties	Metric	English	Comments
Thickness	45.7 microns	1.80 mil	Adhesive
	50.8 microns	2.00 mil	Facestock
	102 microns	4.00 mil	Liner

Mechanical Properties	Metric	English	Comments
Peel Strength	0.110 kN/m	0.625 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.153 kN/m	0.875 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.1643 kN/m	0.9375 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.29582 kN/m	1.6875 pli	HD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.31773 kN/m	1.8125 pli	Polypropylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.3287 kN/m	1.875 pli	LD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.33964 kN/m	1.9375 pli	Polypropylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.351 kN/m	2.00 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.351 kN/m	2.00 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.36156 kN/m	2.0625 pli	Polypropylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.3725 kN/m	2.125 pli	Polycarbonate 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330

Mechanical Properties	Metric	English	Comments
	0.40538 kN/m	2.3125 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.4163 kN/m	2.375 pli	HD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.438 kN/m	2.50 pli	LD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.47112 kN/m	2.6875 pli	LD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.51494 kN/m	2.9375 pli	Polypropylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.53686 kN/m	3.0625 pli	Finely Textured Powder Coating, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.5478 kN/m	3.125 pli	HD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.5478 kN/m	3.125 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.570 kN/m	3.25 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.58068 kN/m	3.3125 pli	LD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.5916 kN/m	3.375 pli	HD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.614 kN/m	3.50 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.614 kN/m	3.50 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.614 kN/m	3.50 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.6355 kN/m	3.625 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.64642 kN/m	3.6875 pli	Polycarbonate 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.69024 kN/m	3.9375 pli	Stainless Steel, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330

Mechanical Properties	Metric	English	Comments
	0.71216 kN/m	4.0525 pli	Polycarbonate 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.7231 kN/m	4.125 pli	Polycarbonate 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.75598 kN/m	4.3125 pli	Glass, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.75598 kN/m	4.3125 pli	Polycarbonate 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.789 kN/m	4.50 pli	Glass, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.79981 kN/m	4.5625 pli	Polypropylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.82172 kN/m	4.6875 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.84363 kN/m	4.8125 pli	Glass, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.84363 kN/m	4.8125 pli	Polycarbonate 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.8546 kN/m	4.875 pli	Polypropylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.88746 kN/m	5.0625 pli	Polypropylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.88746 kN/m	5.0625 pli	Stainless Steel, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.90937 kN/m	5.1875 pli	Polypropylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.93128 kN/m	5.3125 pli	Smooth Powder Coating, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.9422 kN/m	5.375 pli	Glass, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.964 kN/m	5.50 pli	Stainless Steel, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.964 kN/m	5.50 pli	Smooth Powder Coating, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.97511 kN/m	5.5625 pli	Smooth Powder Coating, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.97511 kN/m	5.5625 pli	Glass, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.9861 kN/m	5.625 pli	Polycarbonate 180° Peel, Initial, 10 min dwell at RT; ASTM D3330

Mechanical Properties	Metric	English	Comments
	1.0189 kN/m	5.8125 pli	Peel, Initial, 10 min dwell at RT, ASTM D3330
	1.0189 kN/m	5.8125 pli	Smooth Powder Coating, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	1.030 kN/m	5.875 pli	Polycarbonate 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	1.05 kN/m	6.00 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	1.05 kN/m	6.00 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	1.0847 kN/m	6.1875 pli	Glass, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	1.0847 kN/m	6.1875 pli	Stainless Steel, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	1.161 kN/m	6.625 pli	Glass, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	149 °C	300 °F	Service
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	Service
	10.0 °C	50.0 °F	Application

Processing Properties	Metric	English	Comments
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Adhesive Type	350 Acrylic	
Liner	Clear Polyester Liner	

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