

3M 7906 Screen Printable Sheet Vinyl Label Material

Category : Polymer , Adhesive

Material Notes:

3M™ Screen Printable Sheet Vinyl Label Materials 7200, 7902 and 7906 are durable, high performance materials that offer excellent conformability, good durability and moisture resistance. These materials utilize 3M™ Adhesive 300, which has excellent quick tack and also bonds well to a variety of surfaces including LSE plastics. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-7906-Screen-Printable-Sheet-Vinyl-Label-Material.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Adhesive
	86.4 microns	3.40 mil	Facestock
	170 microns	6.70 mil	Liner

Mechanical Properties	Metric	English	Comments
Peel Strength	0.0438 kN/m	0.250 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.07669 kN/m	0.4375 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.1424 kN/m	0.8125 pli	Polycarbonate 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.153 kN/m	0.875 pli	Polycarbonate 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.1972 kN/m	1.125 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.27391 kN/m	1.5625 pli	LD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.2849 kN/m	1.625 pli	LD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.2849 kN/m	1.625 pli	HD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.29582 kN/m	1.6875 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.29582 kN/m	1.6875 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
			LD Polyethylene, 90° Peel,

Mechanical Properties	0.31773 kN/m Metric	1.8125 pli English	Conditioned for 3 days at RT; ASTM D3330 Comments
	0.31773 kN/m	1.8125 pli	Polypropylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.3287 kN/m	1.875 pli	HD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.351 kN/m	2.00 pli	Polypropylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.36156 kN/m	2.0625 pli	Polypropylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.3725 kN/m	2.125 pli	HD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.394 kN/m	2.25 pli	LD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.394 kN/m	2.25 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.40538 kN/m	2.3125 pli	Stainless Steel, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.40538 kN/m	2.3125 pli	Glass, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.40538 kN/m	2.3125 pli	Polypropylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.40538 kN/m	2.3125 pli	Glass, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.4163 kN/m	2.375 pli	Polypropylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.42729 kN/m	2.4375 pli	Polycarbonate 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.438 kN/m	2.50 pli	Polycarbonate 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.438 kN/m	2.50 pli	LD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.4602 kN/m	2.625 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.4602 kN/m	2.625 pli	HD Polyethylene, 180° 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 3 days at RT; ASTM D3330
			Stainless Steel, 90° Peel, Conditioned

Mechanical Properties	0.47112 kN/m Metric	2.6875 pli English	for 3 days at RT; ASTM D3330 Comments
	0.47112 kN/m	2.6875 pli	Polycarbonate 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.5040 kN/m	2.875 pli	Glass, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.526 kN/m	3.00 pli	Glass, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.60259 kN/m	3.4375 pli	Polypropylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.60259 kN/m	3.4375 pli	Stainless Steel, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.6355 kN/m	3.625 pli	Stainless Steel, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.657 kN/m	3.75 pli	Polycarbonate 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.657 kN/m	3.75 pli	Glass, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.657 kN/m	3.75 pli	Polypropylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.657 kN/m	3.75 pli	Glass, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.701 kN/m	4.00 pli	Polycarbonate 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.7231 kN/m	4.125 pli	Stainless Steel, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.73407 kN/m	4.1875 pli	Polycarbonate 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.73407 kN/m	4.1875 pli	Polypropylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.745 kN/m	4.25 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.745 kN/m	4.25 pli	Glass, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.8108 kN/m	4.625 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.82172 kN/m	4.6875 pli	Glass, 180° Peel, Conditioned for 3 days at RT; ASTM D3330

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	59.0 °C	140 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	Service
	5.00 °C	41.0 °F	Application

Processing Properties	Metric	English	Comments
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Adhesive Type	300 Acrylic	
Liner	90# Polycytd.	

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