

## 3M 7901 Screen Printable Sheet Vinyl Label Material

Category : Polymer , Adhesive

### Material Notes:

3M™ Screen Printable Sheet Vinyl Label Material 7901 is a durable, high performance material that offers excellent conformability, good durability and moisture resistance. This label material utilizes 3M™ Adhesive 500, a high stability acrylic adhesive, which provides excellent adhesive to a variety of surfaces including stainless steel, polycarbonate and polypropylene. This adhesive features one-piece removal up to one year after application and is designed for indoor/outdoor use. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-7901-Screen-Printable-Sheet-Vinyl-Label-Material.php](http://www.lookpolymers.com/polymer_3M-7901-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	0.09861 kN/m	0.5625 pli	LD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330	
	0.110 kN/m	0.625 pli	HD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330	
	0.110 kN/m	0.625 pli	LD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330	
	0.1205 kN/m	0.6875 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330	
	0.131 kN/m	0.750 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330	
	0.131 kN/m	0.750 pli	Polycarbonate 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330	
	0.1424 kN/m	0.8125 pli	HD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330	
	0.1424 kN/m	0.8125 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330	
	0.153 kN/m	0.875 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330	
	0.153 kN/m	0.875 pli	Polypropylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330	
				Polypropylene, 90° Peel, Initial, 10

Mechanical Properties	0.1643 kN/m Metric	0.9375 pli English	min dwell at RT; ASTM D3330 Comments
	0.18626 kN/m	1.0625 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.18626 kN/m	1.0625 pli	LD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.18626 kN/m	1.0625 pli	HD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.1972 kN/m	1.125 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.1972 kN/m	1.125 pli	LD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.20817 kN/m	1.1875 pli	Polycarbonate 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.23008 kN/m	1.3125 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.25199 kN/m	1.4375 pli	Polypropylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.263 kN/m	1.50 pli	Glass, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.263 kN/m	1.50 pli	Polypropylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.2849 kN/m	1.625 pli	Stainless Steel, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.2849 kN/m	1.625 pli	Polypropylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.29582 kN/m	1.6875 pli	Polypropylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.31773 kN/m	1.8125 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.31773 kN/m	1.8125 pli	HD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.33964 kN/m	1.9375 pli	Glass, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.33964 kN/m	1.9375 pli	Stainless Steel, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.351 kN/m	2.00 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at RT; ASTM D3330

Mechanical Properties	Metric	English	Comments
	0.38347 kN/m	2.1875 pli	Polycarbonate 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.38347 kN/m	2.1875 pli	Polycarbonate 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.40538 kN/m	2.3125 pli	Glass, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.4163 kN/m	2.375 pli	Polypropylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.42729 kN/m	2.4375 pli	Polypropylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.44921 kN/m	2.5625 pli	Stainless Steel, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.44921 kN/m	2.5625 pli	Glass, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.47112 kN/m	2.6875 pli	Glass, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.5040 kN/m	2.875 pli	Polycarbonate 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.5040 kN/m	2.875 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.51494 kN/m	2.9375 pli	Glass, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.570 kN/m	3.25 pli	Polycarbonate 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.570 kN/m	3.25 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.6355 kN/m	3.625 pli	Stainless Steel, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.64642 kN/m	3.6875 pli	Polycarbonate 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.657 kN/m	3.75 pli	Glass, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.745 kN/m	4.25 pli	Polycarbonate 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.789 kN/m	4.50 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.8108 kN/m	4.625 pli	Glass, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 °C	140 °F	Service
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	500	
Liner	90# Polycytd.	

## Contact Songhan Plastic Technology Co.,Ltd.

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