

3M 7884 White Vinyl Label Material

Category : Polymer , Adhesive

Material Notes:

Features: Conformable to contoured surfaces Resists wrinkling and delamination One-piece removal up to one year after application Topcoated for impact printing, typewriters, ballpoint pens, pencils, and grease pens. The #500 high-stability acrylic adhesive provides excellent adhesion to a variety of surfaces including stainless steel, polycarbonate, and polypropylene. 55# densified kraft liner assures consistent die cutting. 3M™ Label Material 7884 is UL recognized (File MH11410). **Applications:** Labeling of small or irregular shape containers Labels requiring long term bond and piece removal Labels requiring variable information Barcode labels and rating plates Property identification and asset labeling Warning, instructions, and service labels for durable goods Nameplates for durable goods Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-7884-White-Vinyl-Label-Material.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Adhesive
	81.3 microns	3.20 mil	Liner
	94.0 microns	3.70 mil	Facestock

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, Conditioned for 3 days at RT; ASTM D3330
	0.1205 kN/m	0.6875 pli	LD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.131 kN/m	0.750 pli	HD Polyethylene, 90° Peel, Initial, 10 min dwell 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, Conditioned for 3 days 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	Polypropylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330

Mechanical Properties	Metric kN/m	English pli	Comments
			LD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.1643 kN/m	0.9375 pli	Polypropylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	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, Conditioned for 3 days 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	Polypropylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.2849 kN/m	1.625 pli	Stainless Steel, 90° 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, Initial, 10 min dwell at RT; ASTM D3330
			Stainless Steel, 90° Peel, Conditioned

Mechanical Properties	0.33964 kN/m Metric	1.9375 pli English	for 24 hrs at 32°C at 90% RH; ASTM D3330 Comments
	0.351 kN/m	2.00 pli	Stainless Steel, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.38347 kN/m	2.1875 pli	Polycarbonate 90° Peel, Conditioned for 3 days 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, Initial, 10 min dwell 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

Mechanical Properties	Metric	English	Comments
	kN/m		Class 180° Peel, Conditioned for 3 days at 40° C; ASTM D3330

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Adhesive Type	#500 High-stability acrylic	
Liner	55# Densified kraft	

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