

3M 7779 Polypropylene Label Material

Category : Polymer , Adhesive

Material Notes:

3M™ Polypropylene Label Material 7779 with 3M™ Adhesive 350 can permanently bond to high surface energy (HSE) and low surface energy (LSE) 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-7779-Polypropylene-Label-Material.php

Physical Properties	Metric	English	Comments
Thickness	27.9 microns	1.10 mil	Adhesive
	66.0 microns	2.60 mil	Facestock
	81.3 microns	3.20 mil	Liner

Mechanical Properties	Metric	English	Comments
Peel Strength	0.131 kN/m	0.750 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.153 kN/m	0.875 pli	HD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.1643 kN/m	0.9375 pli	LD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.175 kN/m	1.00 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.18626 kN/m	1.0625 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.1972 kN/m	1.125 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.20817 kN/m	1.1875 pli	Polypropylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.20817 kN/m	1.1875 pli	Finely Textured Powder Coating, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.219 kN/m	1.25 pli	Finely Textured Powder Coating, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.219 kN/m	1.25 pli	Finely Textured Powder Coating, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.23008 kN/m	1.3125 pli	Polycarbonate 90° Peel, Conditioned for 3 days at 70°C; ASTM D3330

Mechanical Properties	Metric	English	Comments
	0.25199 kN/m	1.4375 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.263 kN/m	1.50 pli	LD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.263 kN/m	1.50 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.27391 kN/m	1.5625 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.29582 kN/m	1.6875 pli	HD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.31773 kN/m	1.8125 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 RT; ASTM D3330
	0.31773 kN/m	1.8125 pli	Polypropylene, 90° Peel, Conditioned for 3 days at RT; 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
	0.3287 kN/m	1.875 pli	LD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.3287 kN/m	1.875 pli	Finely Textured Powder Coating, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.33964 kN/m	1.9375 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.33964 kN/m	1.9375 pli	Polypropylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.351 kN/m	2.00 pli	HD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.351 kN/m	2.00 pli	LD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.36156 kN/m	2.0625 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.3725 kN/m	2.125 pli	Polycarbonate 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.3725 kN/m	2.125 pli	Polypropylene, 90° Peel, Conditioned

Mechanical Properties	Metric	English	for 3 days at 70°C; ASTM D3330 Comments
	0.38347 kN/m	2.1875 pli	Finely Textured Powder Coating, 90° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.394 kN/m	2.25 pli	Stainless Steel, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.4163 kN/m	2.375 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.42729 kN/m	2.4375 pli	Glass, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.44921 kN/m	2.5625 pli	Polypropylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.44921 kN/m	2.5625 pli	Polypropylene, 180° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.47112 kN/m	2.6875 pli	Smooth Powder Coating, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.51494 kN/m	2.9375 pli	Polycarbonate 180° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.526 kN/m	3.00 pli	Smooth Powder Coating, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.570 kN/m	3.25 pli	Stainless Steel, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.570 kN/m	3.25 pli	Smooth Powder Coating, 90° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.58068 kN/m	3.3125 pli	Smooth Powder Coating, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.5916 kN/m	3.375 pli	Polycarbonate 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.5916 kN/m	3.375 pli	Glass, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.60259 kN/m	3.4375 pli	Glass, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.60259 kN/m	3.4375 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.614 kN/m	3.50 pli	Glass, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.6355 kN/m	3.625 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.6355 kN/m	3.625 pli	Polypropylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM

Mechanical Properties	Metric	English	D3330 Comments
	0.64642 kN/m	3.6875 pli	Glass, 90° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.657 kN/m	3.75 pli	Smooth Powder Coating, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.657 kN/m	3.75 pli	Polycarbonate 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.657 kN/m	3.75 pli	Glass, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.66833 kN/m	3.8125 pli	Polycarbonate 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.66833 kN/m	3.8125 pli	Smooth Powder Coating, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.69024 kN/m	3.9375 pli	Polycarbonate 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.69024 kN/m	3.9375 pli	Smooth Powder Coating, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.73407 kN/m	4.1875 pli	Glass, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.73407 kN/m	4.1875 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.745 kN/m	4.25 pli	Stainless Steel, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.75598 kN/m	4.3125 pli	Polycarbonate 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.75598 kN/m	4.3125 pli	Smooth Powder Coating, 180° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.789 kN/m	4.50 pli	Stainless Steel, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.79981 kN/m	4.5625 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at 70°C; ASTM D3330
	0.833 kN/m	4.75 pli	Glass, 180° Peel, Conditioned for 3 days at 70°C; ASTM D3330

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