

3M 7850TL Laser Toner Printable Polyester Label Material

Category : Polymer , Adhesive

Material Notes:

3M™ Laser Toner Printable Polyester Label Material 7850 is a matte radiant white polyester label stock that offers . This label product utilizes 3M™ Adhesive 350 which is an universal adhesive for label material that offers excellent chemical resistance and holding strength even at high temperatures. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-7850TL-Laser-Toner-Printable-Polyester-Label-Material.php

Physical Properties	Metric	English	Comments
Thickness	27.9 microns	1.10 mil	Adhesive
	58.4 microns	2.30 mil	Facestock
	94.0 microns	3.70 mil	Liner

Mechanical Properties	Metric	English	Comments
Peel Strength	0.1205 kN/m	0.6875 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.1205 kN/m	0.6875 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.131 kN/m	0.750 pli	Polypropylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.1424 kN/m	0.8125 pli	HD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.20817 kN/m	1.1875 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.219 kN/m	1.25 pli	Polypropylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.2410 kN/m	1.375 pli	LD Polyethylene, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.2410 kN/m	1.375 pli	Polypropylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.2410 kN/m	1.375 pli	HD Polyethylene, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.27391 kN/m	1.5625 pli	Polycarbonate 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.27391 kN/m	1.5625 pli	LD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330

Mechanical Properties	Metric	English	Comments
	0.21337 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	HD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.33964 kN/m	1.9375 pli	LD Polyethylene, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.33964 kN/m	1.9375 pli	Polycarbonate 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.351 kN/m	2.00 pli	Glass, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.36156 kN/m	2.0625 pli	LD Polyethylene, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.3725 kN/m	2.125 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.3725 kN/m	2.125 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.38347 kN/m	2.1875 pli	LD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.38347 kN/m	2.1875 pli	LD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.38347 kN/m	2.1875 pli	Finely Textured Powder Coating, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.394 kN/m	2.25 pli	Finely Textured Powder Coating, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.394 kN/m	2.25 pli	Polypropylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.40538 kN/m	2.3125 pli	HD Polyethylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.42729 kN/m	2.4375 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.42729 kN/m	2.4375 pli	HD Polyethylene, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.438 kN/m	2.50 pli	HD Polyethylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330

Mechanical Properties	Metric	English	Comments
	0.44871 kN/m	2.5225 pli	Polypropylene, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.5040 kN/m	2.875 pli	Polycarbonate 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.51494 kN/m	2.9375 pli	Stainless Steel, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.5478 kN/m	3.125 pli	Polypropylene, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.5478 kN/m	3.125 pli	Polypropylene, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.570 kN/m	3.25 pli	Polycarbonate 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.58068 kN/m	3.3125 pli	Polycarbonate 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.5916 kN/m	3.375 pli	Polycarbonate 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.66833 kN/m	3.8125 pli	Glass, 90° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.701 kN/m	4.00 pli	Smooth Powder Coating, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.71216 kN/m	4.0625 pli	Smooth Powder Coating, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.7231 kN/m	4.125 pli	Smooth Powder Coating, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.745 kN/m	4.25 pli	Glass, 90° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330
	0.75598 kN/m	4.3125 pli	Glass, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.7669 kN/m	4.375 pli	Polycarbonate 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.77789 kN/m	4.4375 pli	Smooth Powder Coating, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.789 kN/m	4.50 pli	Stainless Steel, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330
	0.79981 kN/m	4.5625 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.8108 kN/m	4.625 pli	Glass, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.82172 kN/m	4.6875 pli	Glass, 180° Peel, Initial, 10 min dwell at RT; ASTM D3330

Mechanical Properties	Metric	English	Comments
	0.87372 kN/m	4.6875 pli	Polycarbonate 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.88746 kN/m	5.0625 pli	Glass, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; 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	Stainless Steel, 180° Peel, Conditioned for 3 days at RT; ASTM D3330
	0.90937 kN/m	5.1875 pli	Stainless Steel, 90° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.920 kN/m	5.25 pli	Glass, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	0.964 kN/m	5.50 pli	Stainless Steel, 180° Peel, Conditioned for 3 days at 49°C; ASTM D3330
	1.01 kN/m	5.75 pli	Stainless Steel, 180° Peel, Conditioned for 24 hrs at 32°C at 90% RH; ASTM D3330

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Adhesive Type	#350 Acrylic	
Liner	55# Clay coated kraft	

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