



# Outdoor UL Recognized Brushed Silver Polyester Label Products

## OFM1102 • OFM1202 • OFM2902

Technical Data

May 2006

**Product Description** 3M™ Outdoor UL Recognized Brushed Silver Polyester Label Products are durable high performance materials that offer excellent thermal stability and moisture resistance. These polyester labels utilize 3M™ Adhesive P1400 which is a high performance tackified acrylic designed for use in demanding environments.

Product Construction	Product Number	Facestock	Adhesive	Liner
	3M™ Label Product OFM1102	.001 in. Brushed Silver Polyester TC	P1400 Perm. 16	50# SC Remoist 3.1 mil semi-bleached super calendered kraft sheet
	3M™ Label Product OFM1202	.002 in. Brushed Silver Polyester TC	P1400 Perm. 21	50# SC Remoist 3.1 mil semi-bleached super calendered kraft sheet
	3M™ Label Product OFM2902	.002 in. Brushed Silver Polyester TC	P1400 Perm. 18	50# SC Remoist 3.1 mil semi-bleached super calendered kraft sheet

(Calipers are nominal values)

### Typical Physical Properties

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Adhesion properties determined per TLMI Method using 1.0 mil polyester with 1.0 mil of adhesive on a polished stainless steel panel.

Peel Adhesion	2.2 lbs./in. (528 N/m)	TLMI Method, 180° Peel, 12"/min., 1" wide sample
Loop Tack	1.8 lbs./in. (316 N/m)	TLMI Method, 12"/min., 1" wide sample
Adhesive Coat Weight	3M label product OFM1102 1.55 g/100 in. <sup>2</sup> ± 10%	3M Method E10MFP01
	3M label product OFM1202 2.0 g/100 in. <sup>2</sup> ± 10%	3M Method E10MFP01
	3M label product OFM2902 1.75 g/100 in. <sup>2</sup> ± 10%	3M Method E10MFP01
Shear	7 hours	TLMI Method, 0.25 in. <sup>2</sup> x 500g
Release Range	15 to 50 g/2 in.	TLMI Method, 180° removal, 300 in./min.
Application Temperature	40°F to 120°F (5°C to 49°C)	
Service Temperature	-20°F to 302°F (-29°C to 150°C)	

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Features	<ul style="list-style-type: none"><li>• Adhesive dry ingredients are listed by FDA as indirect food contact additives when used in food packaging with minimum opportunity for exposure. See 21 CFR 175.105.</li><li>• UL recognized for indoor/outdoor use UL files MH11410 and MH16411.</li><li>• Adhesive offers excellent adhesion to a wide variety of substrates, including polyolefins.</li><li>• Liner for is designed for high-speed die cutting and matrix stripping. This liner has been remoisturized after silicone coating to restabilize the sheet and reduce side curl, an excellent choice for perforation and fanfold applications.</li></ul>
Application Ideas	<ul style="list-style-type: none"><li>• Nameplates and product ID labels</li><li>• Durable goods, power tools, equipment and machinery, lawn and garden</li></ul>
Printing	High gloss general purpose topcoating is designed for use with a variety of film inks, including flexo, screen, ion deposition, off set, letter press, hot stamp, and thermal transfer printing (the end user should fully evaluate specific ribbons for suitability).
Storage	Store under normal conditions of 70°F (21°C) and 50% relative humidity. To minimize the effects of humidity on the products, package the die-cut and printed stock in polyethylene bags. Low density polyethylene (2-4 mils) can help prevent humidity penetration.
Shelf Life	To obtain best performance, use this product within two years from the date of manufacture.

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### Technical Information

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### Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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ISO 9001

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.



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