

3M

Graffiti Resistant Overlaminating Label Material 7248

Technical Data

December 2007

Product Description 3M™ Graffiti Resistant Overlaminating Label Material 7248 is a 3M proprietary polyester designed to provide graffiti resistance when used as a protective overlaminate on various printed media. The film provides resistance to permanent marker, crayon, paint and other forms of defacement. It utilizes 3M™ Acrylic Adhesive 400 that offers good wet-out, clarity and is non-yellowing when exposed to UV light.

Construction	Facestock	Adhesive	Liner
	.002 in. Clear Polyester GR	400 0.8 mils	57# Laser C1S 3.5 mil kraft

(Calipers are nominal values.)

- Features**
- Premium overlaminate for graffiti resistance against spray paint, crayon, marker and ball point pen.
 - Anti-glare finish.
 - Superior abrasion, humidity and solvent resistance.
 - U.V. exposure resistant for extended periods of time in outdoor applications for no more than 3-6 months. Periods of exposure in excess of 3-6 months will result in diminished graffiti resistance.
 - Adhesive offers premium adhesive performance to a wide variety of surfaces.
 - High bond strength resists edge lifting.
 - Specially designed for high-speed, continuous web rotary press lamination.
 - Meets EU RoHS Directive (e.g.) means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based on information provided by third party suppliers to 3M.

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Application Ideas

- Transit graphic protection
- Overlamine on warning and critical information labels
- Signature protection
- Medical forms protection

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.

Adhesive Coat Weight	1.39 to 1.70 g/100 in ²	TM-2279
Release Range	20 to 100 g/2 in.	TLMI Method, 180° removal, 300 in./min.
Service Temperature	-40°F to 250°F (-40°C to 121°C)	
Minimum Application Temperature	10°F (-12°C)	
Convertability	Low temperature, high clarity 3M™ Acrylic Adhesive 400 is specifically designed to be compatible with a variety of print methods and overlamine applications. When converting labels for thermal transfer applications, care should be taken with regard to proper roll tensions, handling and storage conditions.	

Typical Peel Adhesion Properties

Peel Adhesion	1.5 lbs./in. (246 N/m)
Test Method	TLMI Method, 180° Peel, 12"/min., 1" wide sample

Note: Adhesion properties determined per TLMI Method using 1.0 mil Polyester with 0.9 mil of adhesive on a polished stainless steel panel.

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Printing	This film is not treated for printability.
Storage	Store at room temperature conditions of 72°F (22°C) and 50% relative humidity in the original carton.
Shelf Life	To obtain best performance, use this product within two years from date of manufacture.
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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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