

3M™ Performance Label Materials

Easy choices



for UL & RoHS compliance



Durable labels and overlaminates for electrical enclosures and equipment

With the 3M selection of “go to” durable labels and overlaminates, you have easy choices that meet the requirements for virtually any labeling application where you need UL and/or RoHS compliance.

Select polyester facestocks for heat and tear resistance and clarity. Specify acrylate for excellent clarity, UV resistance, and extended outdoor durability of up to 5 years.

Durable labels and overlaminates provide choices for environmental resistance, bonding strength, and substrate compatibility for application success.

Combinations of durable labels and overlaminate comply with UL Standard 969 for labeling that performs during the normal use of an enclosure or equipment. Label content also meets RoHS (Restriction of Hazardous Substances) specifications for lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl fire retardant, and polybrominated diphenyl ether fire retardant.

310 Acrylic Adhesive for high strength with HSE materials.

350 Acrylic Adhesive for very high strength with LSE materials, powder coatings, and oily metal.

400 Acrylic Adhesive for high clarity and UV resistance.

P1400 Acrylic Adhesive for demanding environments with UV and moisture exposure.



3M™ Performance Label Materials for UL and RoHS Compliance

Label Materials	Facestock Color Print Method	Facestock (mils) Adhesive Type (mils) Liner (mils)	Description	Durability				Adhesion		
				UV	Abrasion	Temp.	Chemical	HSE	LSE	Textured Surfaces
7816	Polyester Gloss White Flexo, TT	White Polyester Gloss TC (2.0) 310 (0.8) 55# Densified Kraft (3.2)	Good durability; excellent print quality with a range of thermal transfer ribbons	Good	Good	Good	Good	Good	Fair	Fair
7868	Polyester Gloss White Flexo, TT	White Polyester Gloss TC (2.0) 350 (1.1) 55# Densified Kraft (3.2)	Excellent durability; High chemical resistance; good low surface energy (LSE) adhesion	Good	Good	Good	Excellent	Excellent	Excellent	Fair
7871	Polyester Gloss White Flexo, TT	White Polyester Gloss TC (2.0) 350 (1.8) 55# Densified Kraft (3.2)	Excellent durability; High chemical resistance; good low surface energy (LSE) adhesion, including textured surfaces	Good	Good	Good	Excellent	Excellent	Excellent	Excellent
7875	Polyester Silver Flexo, TT	Platinum Polyester Gloss TC (2.0) 310 (0.8) 55# Densified Kraft (3.2)	Good durability; excellent print quality with a range of thermal transfer ribbons	Good	Good	Good	Good	Good	Fair	Fair
7246	Polyester Matte White Flexo, TT	Matte White Polyester TT3 (2.3) 350 (1.8) 40# White Glassine (3.2)	Durable matte top coat for higher level of image durability; good low surface energy (LSE) adhesion, including textured surfaces	Good	Excellent	Good	Excellent	Excellent	Excellent	Excellent
7247	Polyester Matte Silver Flexo, TT	Matte Silver Polyester TT3 (2.3) 350 (1.8) 40# White Glassine (3.3)	Durable matte top coat for higher level of image durability; good low surface energy (LSE) adhesion, including textured surfaces	Good	Excellent	Good	Excellent	Excellent	Excellent	Excellent

Overlaminates	Facestock Clarity	Facestock (mils) Adhesive Type (mils) Liner (mils)	Description	Durability				
				UV	Abrasion	Moisture Resistance	Temp.	Chemical
OFM010N	Polyester Clear	Clear Polyester Gloss NTC (1.0) P1400 (0.8) Polyester Film (1.0)	Good general purpose for indoor use	Fair	Good	Good	Good	Good
7730FL	Polyester Clear	Clear Polyester NTC (1.0) 400 (0.8) Polyester Film (1.5)	Suitable for indoor and outdoor use	Fair	Good	Excellent	Good	Excellent
7733FL	Polyester Clear	UV Resistant Polyester NTC (1.0) 400 (0.8) Polyester Film (1.5)	Resists UV exposure for up to 2 years; protects image	Good	Good	Excellent	Good	Excellent
7735FL	Acrylic Clear	Clear Polyester NTC (3.0) 400 (0.8) Polyester Film (1.5)	Extended outdoor durability for up to 5 years; protects graphics	Excellent	Good	Excellent	Fair	Excellent

Note: For specifics on 3M product listing regarding UL standards, go to www.ul.com
This technical information and data should be considered representative or typical only and should not be used for specification purposes.



Light fixtures, motors, and other UL approved electrical devices

IMPORTANT NOTICE: 3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This brochure is intended to be an introductory summary of 3M products. The information provided is based on typical conditions and is believed to be reliable. However, many factors beyond the control of 3M can effect the use and performance of 3M products in a particular application. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the 3M product to determine whether the product is fit for a particular application. All details concerning product specifications are available from 3M. All details concerning product specifications are available from 3M. Please see individual product literature for specific warranty information. **LIMITATION OF REMEDIES AND LIABILITY:** If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including but not limited to negligence, warranty, or strict liability.



Converter Markets Performance Label Materials

1030 Lake Road
Medina, OH 44256
Tel: 1-800-422-8116
Fax: 1-877-722-5072
www.3m.com/converter

3M is a trademark of 3M Company.
Printed in U.S.A.
Copyright © 2008. All rights reserved.