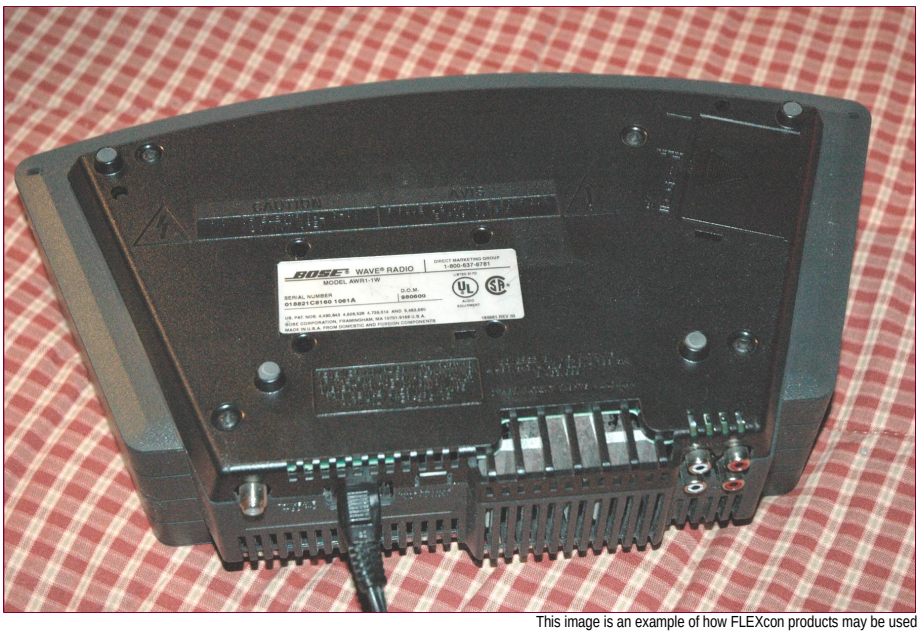
Consumer Electronics - Compliance Label

Gloss Topcoated White Polyester - Conventional & Thermal Transfer Printing

Compliance labels for consumer electronics contain critical information regarding product model numbers and specifications. This information is critical for the retailer to identify the product and track inventory. Pressure-sensitive film is the ideal solution for providing excellent printability for legible alphanumeric and barcode information. Specially formulated pressure-sensitive adhesives are designed to bond well to a variety of surfaces commonly used for consumer electronic devices. The film and adhesive provide excellent resistance to heat and abrasion while holding the label in place throughout the life of the product. Pressure-sensitive labels are the ideal solution for meeting the challenging application requirements of compliance labeling. ***For more information on FLEXcon's pressure-sensitive film solutions for compliance labeling, contact your local Sales Representative or our Product Identification Business Team at (508) 885-8300.***

Product ID #: FLX000468



This image is an example of how FLEXcon products may be used

Product: **THERMLfilm SELECT® 21970**

Benefits:

- 2.0 mil gloss topcoated white polyester provides consistent surface smoothness, excellent dimensional stability and endurance to varying temperatures
- Topcoat resists smudging and abrasion when printed with resin and wax/resin thermal transfer ribbons
- Topcoat is compatible with color and black resin and wax/resin thermal transfer ribbons (we recommend evaluating the intended ribbon and ink system for compatibility with the product under the application conditions)
- Static dissipating additives in the topcoat reduce the risk of print voids due to static generated at the print head
- Acrylic adhesive offers high initial tack, high shear, and high ultimate bond to a wide variety of rough textured surfaces, including low-surface energy plastics and painted metal
- Backed with a 50 lb. bleached Kraft release liner ideal for roll-form converting
- Liner is suitable for optical sensing on most thermal transfer printers
- UL recognized under UL 969 -UL File No. PGJI2.MH16635 Printing Materials - Component
- CUL recognized under UL File No. PGJI8.MH16635 - Printing Materials Certified for Canada - Component - under CAN/CSA standard C22.2, No. 0.15

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THERMLfilm SELECT® 21970

PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Film	2.0 (51) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	1.9-2.1 (48-53) +/- 0.1 (3)	
	Liner	3.1 (79) +/- 10%	
Dimensional Stability (%)	No Shrinkage Observed		Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
Adhesion Properties			
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)	
ABS	81	(891)	
ABS Textured Side	7	(77)	
Acrylic	122	(1342)	
Acrylic Powder Paint	89	(979)	
Aluminum	102	(1122)	
Epoxy Powder Paint	111	(1221)	
Glass	107	(1177)	
HDPE	42	(462)	
Painted Metal	100	(1100)	
Polycarbonate	99	(1089)	
Polyester	95	(1045)	
Polyester Powder Paint	47	(517)	
Polypropylene	36	(396)	
Polyurethane Powder Paint	110	(1210)	
Stainless Steel	87	(957)	
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	75		
Tack (gm/sq cm)	1650		ASTM D 2979
Expected Exterior Life	Two years		
Service Temperature Range	-40°F to 302°F (-40°C to 150°C)		
Minimum Application Temperature	50°F (10°C)		
Storage Stability	Two years when stored at 70°F (21°C) and 50% relative humidity		

Product Performance and Suitability

All of the descriptive information, the typical performance data, and recommendations for the use of FLEXcon products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product. Furnishing such information is merely an attempt to assist you after you have indicated your contemplated use and shall in no event constitute a warranty of any kind by FLEXcon. All purchasers of FLEXcon products shall be responsible for independently determining the suitability of the material for the purpose for which it is purchased. No distributor, salesman, or representative of FLEXcon is authorized to give any warranty, guaranty, or make any representation in addition or contrary to the above.

Last Modified On: 01/30/2014

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