

Appliance - Wire Harness Label

Frosty Clear Vinyl

Wire harness labels provide important traceability information certifying that the wire harness has been manufactured in accordance with appropriate government or certification laboratory standards. It is critical that the label remain in place and clearly legible throughout the life of the product.

Pressure-sensitive films and adhesives are the ideal solution for wire harness labels.

Pressure-sensitive films are rigid and provide excellent printability, allowing the label to endure product use and abrasion while remaining legible. Specially formulated pressure-sensitive adhesives are designed to bond well to rubber wire harnesses, ensuring that the label remains in place throughout the life of the product. To meet the demanding requirements for wire harness labeling, look to pressure-sensitive films and adhesives. For more information on FLEXcon's pressure-sensitive film solutions for wire harness labeling, contact your local Sales Representative or our Product Identification Business Team at (508) 885-8300.

Product ID #: FLX000409



Product:

**FLEXmark® V 400 Frosty Clear
TC-106 L-29 Spec 50K-8**

Benefits:

- 3.5 mil frosty clear vinyl film for easy application
- Printable via water flexo (please test for ink adhesion with your specific ink chemistry)
- Permanent pressure-sensitive acrylic adhesive bonds well to a variety of surfaces
- Backed with a 50 lb. bleached kraft release liner ideal for roll-form converting
- UL recognized under UL 969 - UL File No. PGGU2.MH10170 Marking and Labeling System Materials - Component



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PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Film	3.5 (89) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	0.8-0.9 (20-23) +/- 0.1 (3)	
	Liner	3.1 (79) +/- 10%	
Dimensional Stability (%)	MD	0.5	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
	TD	0.5	
Adhesion Properties			
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)	
Acrylic	78	(858)	
Ceramic Tile	22	(242)	
Glass	50	(550)	
Painted Metal	59	(649)	
Stainless Steel	49	(539)	
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	325		
Tack (gm/sq cm)	250		ASTM D 2979
Expected Exterior Life	Two years		
Service Temperature Range	-40°F to 176°F (-40°C to 80°C)		
Minimum Application Temperature	50°F (10°C)		
Storage Stability	Six months 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.

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