

Petroleum / Chemical Drum Labeling

White Polyester - Laser and Thermal Transfer Printable

For the Labeling of Steel, Plastic and Fiber Drums

Compliant with the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals

For more information on FLEXcon's pressure-sensitive film solutions for Drum Labeling, contact your local Sales Representative or our Product Identification Business Team at (508) 885-8300.

Product ID #: FLX000325



Product: **Flexcon® DrumCal™ 21023**

Benefits:

- 2.0 mil print receptive white polyester provides excellent chemical resistance for drum labeling applications
- The internal strength of the film facilitates removal during reconditioning
- Excellent printability via thermal transfer, laser and most conventional ink systems
- Adhesive system is designed to bond well to painted steel, fiber and plastic drums
- Product can be applied at low temperatures
- Permanent pressure-sensitive adhesive possesses good adhesion properties, tack and chemical resistance
- Fanfoldable 77 lb. layflat roll-to-sheet liner feeds well through most sheet-fed, continuous laser and thermal transfer printers
- 2.0 year outdoor durability
- BS 5609 compliant (Section 2 approved)

Flexcon® DrumCal™ 21023

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	Film	2.0 (51) +/- 10%
	Adhesive	1.0-1.1 (25-28) +/- 0.1 (3)
	Liner	5.6 (142) +/- 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	54 (594)	
Acrylic	74 (814)	
Acrylic Powder Paint	47 (517)	
Aluminum	60 (660)	
Epoxy Powder Paint	49 (539)	
Fiberglass	42 (462)	
Glass	66 (726)	
HDPE	29 (319)	
Painted Metal	52 (572)	
Plastic Drum	29 (319)	
Polyester	55 (605)	
Polyester Powder Paint	17 (187)	
Polypropylene	8 (88)	
Polyurethane Powder Paint	55 (605)	
Stainless Steel	70 (770)	
Styrene	50 (550)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	15	
Tack (gm/sq cm)	910	ASTM D 2979
Expected Exterior Life	Two years	
Service Temperature Range	-40°F to 302°F (-40°C to 150°C)	
Minimum Application Temperature	32°F (0°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.

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