

# Petroleum / Chemical Drum Labeling

White Vinyl - Laser 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 #: FLX000331*



Product: **FLEXcon® DRUMcal™ 41023**

## Benefits:

- 3.1 mil flexible white vinyl provides excellent chemical resistance for drum labeling applications
- The internal strength of the film facilitates removal during reconditioning
- Excellent printability via most conventional ink systems (for laser printing, a press applied varnish is recommended)
- Adhesive system is designed to bond well to painted steel, fiber and plastic drums
- Product can be applied at low temperatures
- High peel, high shear adhesive resists cold flow and oozing, gaining efficiencies in diecutting and dispensing
- Release liner is ideal for cut sheet, fanfold and roll-to-sheet converting
- Fanfoldable 77 lb. layflat roll-to-sheet liner feeds well through most sheet-fed, continuous laser and thermal transfer printers
- 2 year outdoor durability
- BS 5609 compliant
- For information regarding BS 5609 Section 3 testing, please contact the Product Identification Business Team



# FLEXcon® DRUMcal™ 41023

PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Film	3.1 (79) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	1.0-1.1 25-28) +/- 0.1 (3)	
	Liner	5.6 (142) +/- 10%	
Dimensional Stability (%)	MD	.75	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
	TD	.75	
Adhesion Properties			
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)	
ABS	14	(154)	
Acrylic	93	(1023)	
Acrylic Powder Paint	74	(814)	
Aluminum	67	(737)	
Cardboard Box	36	(396)	
Epoxy Powder Paint	80	(880)	
Fiberglass	51	(561)	
Glass	74	(814)	
HDPE	49	(539)	
Metal - Painted	75	(825)	
Plastic Drum	41	(451)	
Polycarbonate	78	(858)	
Polyester Powder Paint	65	(715)	
Polypropylene	69	(759)	
Stainless Steel	76	(836)	
Styrene	71	(781)	
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	5		
Tack (gm/sq cm)	930		ASTM D 2979
Expected Exterior Life	Two years		
Service Temperature Range	-40°F to 176°F (-40°C to 80°C)		
Minimum Application Temperature	32°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.

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