

Petroleum / Chemical Drum Labeling

White Vinyl - BS 5609

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 #: FLX069117



Product: **Flexcon® DrumCal™ 41743**

Benefits:

- 3.5 mil flexible white vinyl provides excellent chemical resistance for drum labeling applications
- The internal strength of the film facilitates removal during reconditioning
- Printable via resin and wax/resin thermal transfer; UV & solvent screen; UV, solvent & water flexo; laser (toner); and narrow-format UV inkjet
- Unique matte topcoat allows for greater than four times as many die revolutions before retooling compared with competing label materials
- Matte filled topcoat allows for successful printing with a wider range of wax/resin ribbons
- Topcoat provides excellent resistance to chemicals, moisture, smudging and scratching
- 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
- BS 5609 compliant
- 2 year outdoor durability



Flexcon® DrumCal™ 41743

PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	MTC & Film	3.5 (89) +/- 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	0.75	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
	TD	0.75	
Adhesion Properties			
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)	
ABS	68	(748)	
Acrylic	81	(891)	
Acrylic Powder Paint	67	(737)	
Aluminum	75	(825)	
Epoxy Powder Paint	80	(880)	
Fiberglass	50	(550)	
HDPE	44	(484)	
Metal - Painted	65	(715)	
Plastic Drum	26	(286)	
Plexiglass	81	(891)	
Polyester	66	(726)	
Polyester Powder Paint	35	(385)	
Polypropylene	22	(242)	
Polyurethane Powder Paint	72	(792)	
Stainless Steel	77	(847)	
Styrene	69	(759)	
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	8		
Tack (gm/sq cm)	610		ASTM D 2979
Expected Exterior Life	Film: Two Years; Matte Coating: Discolors under sunlight.		
Service Temperature Range	-40°F to 176°F (-40°C to 80°C)		
Minimum Application Temperature	10°F (-12°C)		
Storage Stability	Two years stored at 70°F (21°C) and 50% RH		

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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