

# 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                                                                           |
|---------------------------------|-----------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|
| <b>Physical Properties</b>      |                                                           |                             |                                                                                       |
| 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                        |                                                                                       |
| <b>Adhesion Properties</b>      |                                                           |                             |                                                                                       |
| 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<br>a. 1 hr. dwell<br>b. 1 sq. in. surface<br>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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