

# Opaque Material for Covering Existing Graphics

White Opaque Matte Polypropylene

*End-Use Applications:  
Track & Trace and Functional  
Technology for Clinical Trials  
and Overlabeling*

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

*Product ID #: FLX069048*



**Product:**

**Flexcon®  
PharmCal® Conceal™ 069048  
(PharmCal® PPM 230 H White Opaque  
MTC-722 V-344 Spec 50K-8)**

**Benefits:**

- Matte topcoated 2.3 mil hard white opaque polypropylene (BOPP) metallized on one side for concealing package contents or covering over existing label
- Film provides excellent resistance to shrinkage, moisture, humidity and product contents
- Topcoat optimizes printability with thermal transfer; dry- and liquid-toner based laser systems; UV and flexographic inks and printing technologies
- Topcoat accepts pen and marker
- High-performance adhesive bonds to tight-radius glass or plastic containers
- Biocompatible adhesive mitigates risk of migration through packaging
- Backed with a 50 lb. bleached kraft release liner ideal for roll-form converting
- Liner is suitable for optical sensing on most thermal transfer printers
- 21 CFR 175.105, REACH, RoHS/ WEE, and ISO 10993-5,-10 compliant\*
- 6-month change notification

\*FDA CFR 175.105: Adhesives may be safely used as components of articles intended for use in packaging, transporting, or holding food in accordance with the following prescribed conditions. ISO 10993 Biological evaluation of medical devices: Part 5: Tests for in vitro cytotoxicity; Part 10: Tests for irritation and skin sensitization.

“Fit-for-use” testing is recommended under actual application conditions.

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| PRODUCT DATA                    | VALUE  | TEST METHOD   |
|---------------------------------|--|---|
| <b>Physical Properties</b>      |  |   |
| Thickness (Mils[microns])       | MTC & Film   | 2.4 (61) +/- 10%  |
|                                 | Adhesive   | 0.8-0.9 (20-23) +/- 0.1 (3)   |
|                                 | Liner  | 3.1 (79) +/- 10%  |
| Dimensional Stability (%)       | No Shrinkage Observed  | Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C) |
| <b>Adhesion Properties</b>      |  |   |
| Ultimate Peel from              | Average  | ASTM D 903 (Modified for 72 hour dwell time)  |
|                                 | Oz/ln (N/m)  |   |
| Glass                           | 47   | (517)   |
| Polypropylene                   | 14   | 154   |
| 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)               | 75   |   |
| Tack (gm/sq cm)                 | 850  | ASTM D 2979   |
| Expected Exterior Life          | Indoor use only  |   |
| Service Temperature Range       | -40°F to 212°F (-40°C to 100°C)                                |   |
| Minimum Application Temperature | 50°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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