

# Primary and Secondary Labeling

White Polypropylene

*End Use Applications:  
Rigid Container Labels  
Semi-Squeeze Container Labels*

*For Consumable Products  
including:  
Beverages  
Food  
Health & Beauty  
Household Chemical*

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

*Product ID #: FLX060201*



Product:

**Flexcon®**  
**OptiFlex® WPP23416**  
2.3 Mil White PP, TC-458, V-01 Adh,  
40K-8 Liner

## Benefits:

- Topcoated 2.3 mil hard white polypropylene offers excellent resistance to shrinkage, moisture, humidity, and product contents
- Polypropylene is more economical and conformable than polyester and provides a good diecutting base
- Film opacity is ideal for achieving high impact graphics
- Excellent surface smoothness allows for optimum ink laydown
- Printable via UV, solvent & water flexo, UV inkjet (Xeikon Jetrion 4000 series and Domino), Konica Minolta (roll-form dry toner), UV screen, UV letterpress, and hot stamping
- V-01 high-performance, permanent acrylic adhesive adheres to a wide range of container types including low-surface energy HDPE
- Adhesive complies with FDA 175.105 for indirect food contact
- Backed with a 40 lb. bleached kraft release liner ideal for roll-form converting
- Product has been 3rd party tested for Higher Pressure Processing (HPP) and adhesive was found to have the necessary strength and compatibility to withstand the HPP conditions
- Order custom widths without purchasing a whole master through [Flexcon® FLEXchoice™ for Prime Label](#)

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PRODUCT DATA	VALUE	TEST METHOD
<b>Physical Properties</b>		
Thickness (Mils[microns])	Film	2.3 (58) +/- 10%
	Adhesive	0.5-0.6 (13-15) +/- 0
	Liner	2.5 (64) +/- 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/In (N/m)	
Acrylic	52 (572)	
Glass	40 (440)	
HDPE	14 (154)	
Polyester	37 (407)	
Polypropylene	20 (220)	
Stainless Steel	54 (594)	
Styrene	36 (396)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	10	
Tack (gm/sq cm)	730	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	35°F (1.7°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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