

# Consumer Durables

Exterior Durable Gloss Topcoated White Polypropylene -  
Roll Form

## *End Use Applications:*

*Compliance Labels  
Warning & Instructional Labels  
Nameplates  
Brand Identity Labels*

## *Markets including:*

*Appliance  
Automotive  
Heavy/Outdoor Equipment  
Industrial/Manufacturing  
Power Equipment*

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

*Product ID #: FLX068544*



Product: **Flexcon® NexGen™ WPP344**

## Benefits:

- Gloss topcoated 4.0 mil white polypropylene (alternative to vinyl) provides consistent surface smoothness and excellent dimensional stability
- Printable via resin & wax/resin thermal transfer; UV & solvent screen; UV, solvent & water flexo; laser (toner); and narrow-format UV inkjet
- Permanent acrylic pressure-sensitive adhesive bonds well to low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate and fiberglass
- Five year outdoor durability based on 2500 hrs. Xenon Arc
- Backed with a 50 lb. bleached kraft release liner made from up to 30% post-consumer waste, ideal for roll form converting
- UL recognized under UL 969 - UL File No. PGJ12.MH16635 Printing Materials - Component
- cUL recognized under UL File No. PGJ18.MH16635 - Printing Materials Certified for Canada - Component - under CAN/CSA standard C22.2, No. 0.15

All narrow-format UV inkjet systems are different; therefore, we recommend "fit-for-use" testing.

For laser diecutability, please check with your equipment manufacturer.

# Flexcon® NexGen™ WPP344

PRODUCT DATA	VALUE		TEST METHOD
<b>Physical Properties</b>			
Thickness (Mils[microns])	Film	4.0 (102) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	0.9-1.0 (23-25) +/- 0.1 (3)	
	Liner	3.1 (79) +/- 10%	
Dimensional Stability (%)	MD	0.65	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
	TD	0.50	
<b>Adhesion Properties</b>			
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)
		Oz/In (N/m)	
	Acrylic	73 (803)	
	Glass	69 (759)	
	Painted Metal	36 (396)	
	Polyester	53 (580)	
	Polyethylene	26 (286)	
	Polypropylene	11 (121)	
	Powder Painted Acrylic	53 (583)	
	Powder Painted Epoxy	60 (660)	
	Powder Painted Polyurethane	67 (737)	
	Stainless Steel	66 (726)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load	
Room Temp (hours)	15		
Tack (gm/sq cm)	730	ASTM D 2979	
Expected Exterior Life	Five years based on 2500 hrs. Xenon Arc		
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.

Last Modified On: 02/13/2024

