Flexcon® NexGen™ WPP344S

4.0 Mil Exterior Durable Gloss Topcoated White Polypropylene, Permanent Adhesive, Sheet-Form Liner

FLX068532

Benefits

- Five year outdoor durability based on 2500 hrs. Xenon Arc
- UL recognized under UL 969 – UL File No. PGJI2.MH16635 Printing Materials – Component
- cUL recognized under UL File No. PGJI8.MH16635 – Printing Materials Certified for Canada – Component – under CAN/CSA standard C22.2, No. 0.15
- View UL PGUU2 for Flexcon® NexGen™ WPP344S Yellow Card
- View UL PGJI2 for Flexcon® NexGen™ WPP344S Yellow Card

Features

- Gloss topcoated 4.0 mil white polypropylene (vinyl alternative) 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
- High shear and high peel adhesive resists cold flow and oozing
- Adhesive bonds well to base film substrates
- 90 lb. moisture stable polycoated release liner is ideal for roll-to-sheet and sheet-form converting on most narrow-format presses

Additional Details

All narrow-format UV inkjet systems are different; therefore, we recommend "fit-for-use" testing.
For laser diecutability, please check with your equipment manufacturer.

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	11.85	
Film	4.0 +/- 10%	102
Adhesive	0.9-1.0 +/- 0.1 (3)	23-25
Liner	6.9 +/- 10%	175

Test Method: ASTM D 3652 (Modified for use with non-tape products)

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Acrylic	73	803
Glass	69	759
Stainless Steel	66	726
Acrylic	73	803
Polypropylene	11	121

Test Method: ASTM D 903 (Modified for 72 hour dwell time)

Additional Properties	Value	Test Method
Expected Shear (hours)		
Tack (g)	730	ASTM D 2979
Expected Exterior Life	Five years based on 2500 hrs. Xenon Arc	
Additional Information		
Service Temperature	-40°F to 212°F (-40°C to 100°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% RH	

Product Performance and Suitability

Descriptive information, performance data, and recommendations for Flexcon products are guides and not specifications. Providing this information is to assist you and does not constitute a warranty of any kind by Flexcon.

Purchasers must independently determine the material's suitability for their intended use. No distributor, salesman, or representative of Flexcon is authorized to provide any warranty or guarantee beyond what is stated. FLEXCON MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, OR TRADE USAGE.

© 2026 Flexcon, Inc. All rights reserved.