Consumer Durables

Gloss Topcoated White Vinyl - 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 #: FLX068720



Product: Flexcon® NexGen™ WV344H

Benefits:

- Gloss topcoated 4.0 mil white flexible vinyl provides consistent surface smoothness, excellent dimensional stability, and conformability
- In most cases, corona treatment is not required
- Printable via resin and wax/resin thermal transfer; UV & solvent screen; UV, solvent & water flexo; laser (toner); and narrow-format UV inkjet
- Permanent acrylic pressure-sensitive adhesive with a heavier coat weight bonds well to rough textured surfaces, including low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate, and fiberglass
- Backed with a 50 lb. bleached kraft release liner made from up to 30% post-consumer waste, ideal for roll-form converting
- Liner is Quilon* coated to prevent label pickoff
- Liner is suitable for optical sensing on most thermal transfer printers
- UL recognized under UL 969 – UL File No. PGGU2.MH10170 Printing Materials – Component
- cUL recognized under UL File No. PGGU8.MH10170 – 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.

*Quilon is a registered trademark of Zaclon, LLC.

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Flexcon® NexGen™ WV344H

PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Film	3.5 (89) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	1.9-2.1 (48-53) +/- 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)
Adhesion Properties			
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)	
ABS	84	(924)	
ABS Textured Side	40	(440)	
Acrylic	148	(1628)	
Acrylic Powder Paint	83	(913)	
Aluminum	91	(1001)	
Epoxy Powder Paint	96	(1056)	
Fiberglass	81	(891)	
HDPE	54	(594)	
Metal - Heavy Textured Aluminum	20	(220)	
Metal - Light Textured Stainless Steel	107	(1177)	
Painted Metal	74	(814)	
Polycarbonate	82	(902)	
Polyester	89	(979)	
Polypropylene	66	(726)	
Stainless Steel	108	(1188)	
Styrene	81	(891)	
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)	880		ASTM D 2979
Expected Exterior Life	Five years based on 2000 hrs Xenon Arc		
Service Temperature Range	-40°F to 176°F (-40°C to 80°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

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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