

Flexcon® ThermlFilm® NexGen™ 23120

 $2.0\,\mathrm{Mil}$ Gloss Topcoated Silver Matte Polyester, Permanent Adhesive, Roll-Form Liner FLX054110

Benefits

- 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
- CSA accepted under CSA File No. 99214
- Order custom widths without purchasing a whole master through Flexcon® FlexChoice™ for Durables

Features

- 2.0 mil gloss topcoated silver matte polyester provides consistent surface smoothness, excellent dimensional stability and endurance to varying temperatures
- Topcoat is more universally printable than other thermal transfer printable products
- Printable via resin and wax/resin thermal transfer; UV & solvent screen; UV, solvent & water flexo; and 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
- 50 lb. bleached kraft release liner made from up to 30% post-consumer waste, ideal for roll form converting
- Liner is suitable for optical sensing on most thermal transfer printers

Additional Details

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	6.45	
Film	2.0 +/- 10%	51
Adhesive	0.8-0.9 +/- 0.1	20-23 +/- 3
Liner	3.1 +/- 10%	79

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



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Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Stainless Steel	55	605
Acrylic	77	847
Glass	68	748
Polypropylene	15	165

Test Method: ASTM D 903 (Modified for 72 hr. RT dwell time)

Additional Properties	Value	Test Method
Expected Shear (hours)	30	ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load)
Tack (g)	1030	ASTM D 2979
Expected Exterior Life	Two years	
Additional Information		
Service Temperature	-40°F to 302°F (-40°C to 150°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

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.

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