Flexcon® ThermlFilm® NexGen™ PP31210

2.0 Mil Topcoated White Polypropylene, Permanent Adhesive, Roll Form Liner

FLX055049

Benefits

UL/cUL-recognized for indoor and limited outdoor use*

View Flexcon® ThermlFilm® NexGen™ PP31210 Yellow Card

Features

- 2.3 mil white BBP free biaxially oriented polypropylene with excellent converting and dispensing characteristics
- Topcoat optimizes printability with thermal transfer resin, narrow-format UV inkjet, dry- and liquid-toner based systems, flexographic, rotary screen, rotary letterpress inks, and hot stamping
- General purpose pressure-sensitive adhesive bonds well to low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate and fiberglass
- 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

*Limited outdoor durability - not for use in direct sunlight or on horizontal surfaces

Pertaining to BBP Free: None of the RoHS, RoHS 2015, REACH, CPSIA and California Prop 65 substances are knowingly used or intentionally added during the manufacturing process.

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	6.65	
Film	2.3 +/- 10 %	58
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 products)

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Stainless Steel	39	429
Acrylic	48	528
Glass	52	572
Polypropylene	18	198
Aluminum	47	517

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

Additional Properties	Value	Test Method
Expected Shear (hours)	5	ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load)
Tack (g)	650	ASTM D 2979
Expected Exterior Life	One year limited - not for use in direct sunlight or on horizontal surfaces	
Additional Information		
Service Temperature	-40°F to 176°F (-40°C to 80°C)	
Minimum Application Temperature	32°F (0°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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