



# 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\*

## 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**

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.