

# Durable Goods and Equipment Labeling

Topcoated White Polypropylene

*End Use Applications:*  
*Compliance Labels*  
*Warning & Instructional Labels*  
*Nameplates*  
*Brand Identity Labels*

*For Durable Goods including:*  
*Power Tools*  
*Appliances*  
*Electronics*  
*Recreational Vehicles*  
*Sporting Equipment*  
*Industrial Equipment...and more*

*For Transportation including:*  
*Automotive*  
*Aerospace*  
*Rail*  
*Heavy Equipment*

*For more information on FLEXcon's pressure-sensitive film solutions for durable goods and equipment labeling, contact your local Sales Representative or our Product Identification Business Team at (508) 885-8300.*

*Product ID #: FLX055049*



Product:

**Flexcon®**  
**ThermiFilm® NexGen™**  
**PP31210**

Benefits:

- Greener 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
- Greener general purpose pressure-sensitive adhesive bonds well to 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 suitable for optical sensing on most thermal transfer printers
- Liner is remoisturized for better stability and layflat
- Can be die cut with steel, magnetic and laser dies
- UL/cUL-recognized for indoor and limited outdoor use\*

\*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.

# Flexcon®

## ThermalFilm® NexGen™ PP31210

PRODUCT DATA	VALUE	TEST METHOD
<b>Physical Properties</b>		
Thickness (Mils[microns])	Film	2.3 (58) +/- 10%
	Adhesive	0.8-0.9 (20-23) +/- 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)
<b>Adhesion Properties</b>		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/in (N/m)	
Acrylic	48 (528)	
Aluminum	47 (517)	
Glass	52 (572)	
Polypropylene	18 (198)	
Stainless Steel	39 (429)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	5	
Tack (gm/sq cm)	650	ASTM D 2979
Expected Exterior Life	One year limited - not for use in direct sunlight or on horizontal surfaces	
Service Temperature Range	-40°F to 176°F (-40°C to 80°C)	
Minimum Application Temperature	32°F (0°C)	
Storage Stability	Two years when stored at 70°F (21°C) and 50% relative	

UL-recognized with the following thermal transfer ribbons:

ITW Thermal Films B324, B813, B814  
ITW Coding Products 7993, 7994  
IIMAK SP-330, SP-575  
DNP R300, R510HF, TR4070  
ARMOR AXR-7

### 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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