

Durable Goods and Equipment Labeling

Topcoated Clear 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*

*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 #: FLX054971



Product:

**FLEXcon®
THERMLfilm® NEXgen™
PP20210**

Benefits:

- 2 mil gloss topcoated clear polypropylene
- Topcoat optimizes printability with thermal transfer resin, UV inkjet, 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 and magnetic dies. Some burning occurs with laser dies*
- UL/cUL-recognized for indoor and limited outdoor use**
- Immediately adoptable with a variety of thermal transfer ribbons

*Laser diecutting clear BOPP may require additional settings. Please consult with laser manufacturer.

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



FLEXcon® THERMLfilm® NEXgen™ PP20210

PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Film	2.0 (51) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	0.8-0.9 (20-23) +/- 0.1 (3)	
	Liner	3.2 (81) +/- 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)	
Acrylic	45	(495)	
Aluminum	23	(473)	
Glass	51	(561)	
Polypropylene	12	(132)	
Stainless Steel	48	(528)	
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)	840		ASTM D 2979
Expected Exterior Life	One year limited - not for use in direct sunlight or on horizontal surfaces		
Removability			
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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