



## Benefits

- Ideal for cryogenic specimen storage and testing applications: -112°F (-80°C) to 212°F (100°C)
- Survives dry ice storage and transportation conditions
- 

## Features

- 2.0 mil gloss topcoated clear polypropylene
- Topcoat optimizes printability via narrow-format UV inkjet, flexographic, UV screen, UV letterpress, UV offset, thermal transfer, and hot stamping
- High-performance permanent acrylic adhesive provides a good bond to low- and high-surface energy plastics, and glass for reliable performance in extreme cold temperatures
- Backed with a 50 lb. bleached kraft release liner ideal for roll-form converting
- Liner is suitable for optical sensing on most thermal transfer printers

## Additional Details

Recommendations:

Since laboratory storage/test conditions and procedures can vary significantly, be sure to thoroughly test the labels in the intended process/application environment. To achieve ultimate adhesion in cryogenic conditions, labels should be applied at room temperature.

## Technical Data

### Physical Properties

Thickness (Mils [microns])	Mils	Microns
Film	2.0 +/-10%	51
Adhesive	0.6-0.7 +/- 0.1	15-18 +/- 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)
ABS	27	297
Acrylic	44	484
Glass	39	429
HDPE	12	132
Polycarbonate	42	462

Test Method: ASTM D 903 (Modified for 72 hour dwell time)

Additional Properties	Value	Test Method
Expected Shear	100	ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load)
Tack	640	ASTM D 2979
Expected Exterior Life	Indoor use only	
Additional Information		
Service Temperature	-112°F to 212°F (-80°C to 100°C)	
Minimum Application Temperature	35°F (2°C)	
Storage Stability	Two years when 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.