

Benefits

- DermaFlex™ adhesives have been tested for biocompatibility (skin irritation, sensitization, and cytotoxicity) by Flexcon’s adhesive suppliers using ISO-10993 or similar test methods*

Features

- 1/32" white polyethylene foam substrate is soft, lightweight, and provides a sturdy base for electrodes & other monitoring applications
- General purpose acrylic adhesive with moderate strength
- Backed with a 90-lb. moisture stable polycoated layflat release liner suitable for roll form, roll to sheet, and sheet form converting

Additional Details

Please note: Our combination of flexible substrates and skin-friendly adhesives form a product portfolio that is suitable for a variety of applications. Choose from existing products, or work with our Technical Service team to create your own unique combination that's optimized for your specific application needs.

*Biocompatibility testing was completed using a similar 'source' adhesive in some circumstances. Full biocompatibility results are available on the web and upon request.

For guidance only, not to be used for setting specifications. The data presented are based on three or less production runs. Product data sheets are updated as necessary, without notice. Please contact Flexcon to request a copy of most recent version.

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Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	40.05	
Film	31.25 +/- 15%	794
Adhesive	1.9-2.1 +/- 0.1	48-53 +/- 3
Liner	6.9 +/- 10%	175

Test Method: ASTM D 3652 (Modified for use with non-tape products)

Skin Contact White Polyethylene Foam with H-529 Adhesive
FLX065697

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Acrylic	66	726
Glass	62	682
Polypropylene	4	44
Stainless Steel	56	616

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

Additional Properties	Value	Test Method
Expected Shear (hours)	Room Temp (hours): 100+	ASTM D 3654 Method Aa. 1 hr. dwellb. 1 sq. in. surfacec. 4 lb. load
Tack (g)	900	ASTM D 2979
Expected Exterior Life		
Additional Information		
Service Temperature		
Minimum Application Temperature		
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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