Skin Contact Applications

White Polyethylene Foam with H-778

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

DermaFlex™ adhesives could be used as a device component for applications where direct skin contact may occur, including:

- *Wearables*
- *Medical Tapes*
- *Monitoring*
- *Patient Care*

We have the flexibility to customize constructions to meet your converting and end-use requirements. This includes release liner, carrier film, adhesive thickness, and other variables.

For more information on FLEXcon's pressure-sensitive film solutions for Skin Contact Applications contact your local Sales Representative or our Performance Products Business Team at (508) 885-8440.

Product ID #: FLX068293



Product: Flexcon® DermaFlex™ P.E.F. 32 White H-778 90 PFW (1.9-2.1)

Benefits:

- 1/32" white polyethylene foam substrate is soft, lightweight, and provides a sturdy base for electrodes & other monitoring applications
- H-778 adhesive bonds to smooth and textured TPO's and other low-energy surfaces commonly found in medical devices
- H-778 high-performance adhesive with ultra-high strength for extended wear, such as attachment of long-term wearable devices
- Backed with a 90-lb. moisture stable polycoated layflat release liner suitable for roll form, roll to sheet, and sheet form converting

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.

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PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Film	31.25 (794) +/- 15 %	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	1.9-2.1 (48-53) +/- 0.1 (3)	
	Liner	6.9 (175) +/- 10 %	
Adhesion Properties			
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)	
Acrylic	Foam Rips		
Glass	Foam Rips		
Polypropylene	Foam Rips		
Stainless Steel	Foam Rips		
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	50+		
Tack (gm/sq cm)	810		ASTM D 2979
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity		

*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 construction sheets are updated as necessary, without notice. Please contact Flexcon to request a copy of most recent version.

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Product Performance and Suitability

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