Skin Contact Applications

White Polyethylene Foam with H-566

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 #: FLX011986



Product: FLEXcon® dermaFLEX™ P.E.F. 32 White H-566 90 PFW (1.9-2.1)

Benefits:

- 1/32" 6# density white polyethylene foam
- H-566 high-tack acrylic adhesive with high strength for extended wear
- EtO and Gamma Sterilization Compatible
- 90 lb. moisture stable polycoated layflat release liner ideal for sheet and roll-to-sheet 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.

FLEXcon® dermaFLEX™ P.E.F. 32 White H-566 90 PFW (1.9-2.1)

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) +/- 0.2 (5)	
	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	Foam rips	
Glass	Foam rips	Foam rips	
Polypropylene	Foam rips	Foam rips	
Stainless Steel	Foam rips	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)	2+ Foam rips		
Tack (gm/sq cm)	280		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

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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FLEXcon 1 FLEXcon Industrial Park, Spencer, MA 01562-2642, Telephone (508) 885-8440 FAX (508) 885-8355 www.FLEXcon.com