

Skin Contact Applications

Clear Double-Face Film 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 #: FLX068984



Product: FLEXcon® dermaFLEX™ DFM 100 Clear
H-778 60 D/F PFW (1.9-2.1)

Benefits:

- Double-face (2-sided) tape suitable for mounting & bonding applications, such as medical device attachment to the body
- H-778 high-performance adhesive with ultra-high strength for extended wear, such as attachment of long-term wearable devices
- H-778 adhesive bonds to smooth and textured TPO's and other low-energy surfaces commonly found in medical devices
- Backed with a 60 lb. semi-bleached white kraft polycoated layflat differential release liner

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™ DFM 100 Clear H-778 60 D/F PFW (1.9-2.1)

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	Adhesive	1.9-2.1 (48-53) +/- 0.1 (3)
	Film	1.0 (13) +/- 10 %
	Adhesive	1.9-2.1 (48-53) +/- 0.1 (3)
	Liner	4.3 (109) +/- 10 %
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/in	
	(N/m)	
	Acrylic	
	Glass	
Polypropylene	67	(737)
	Stainless Steel	85
	(935)	
Expected Shear		ASTM D 3654 Method A
		a. 1 hr. dwell
		b. 1 sq. in. surface
		c. 4 lb. load
Room Temp (hours)	10	
Tack (gm/sq cm)	850	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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