

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

- NNRU (Nylon Netting Reinforced Urethane) substrate consisting of a conformable polyurethane film reinforced with a nylon netting for high extensibility & strength
- .001” clear nylon reinforced polyurethane film
- High-performance adhesive with ultra-high strength for extended wear, such as attachment of long-term wearable devices
- Adhesive bonds to smooth and textured TPO's and other low-energy surfaces commonly found in medical devices
- Backed with a 50 lb. bleached kraft release liner ideal for roll-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.

DISCLAIMER: 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. This product is a device component intended solely for further processing, manufacturing, or incorporation into a finished device, and is further intended only for use as a device component on intact skin (i.e., not intended for use in the presence of open sores or wounds nor for applications inside the body). Customer is solely responsible for determining whether this component product is fit for Customer's intended use, including, without limitation, incorporation into Customer's finished device(s), and for performing any additional testing that may be necessary to support Customer's intended use. Customer is solely responsible for ensuring that its use of the component product is in compliance with the applicable laws and for obtaining any necessary clearances or approvals from its use of the component product and any finished device that incorporates the component product.

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.

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	14.24	
Film	1.0 +/- 10 %	25
Adhesive	3.8-4.2 +/- 0.4	97-107 +/- 10
Liner	3.1 +/- 10 %	79

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

Skin Contact Applications: Clear Nylon Reinforced Polyurethane Film with H-778  
FLX069014

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Stainless Steel	37	407
Acrylic	44	484
Glass	37	407
Polypropylene	22	242
Polyethylene	27	297

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

Additional Properties	Value	Test Method
Expected Shear (hours)	Less than 0.25	ASTM D 3654 Method A (1 hr. dwell, 1 sq. in. surface, 4 lb. load)
Tack (g)	230	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

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.