Flexcon® DermaFlex™ NNRU 100 Clear H-778 Spec 50K-8

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

FLX069014

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*.
- 6-month change notification

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.

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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)

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

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