



PERFORMANCE GUIDE

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PRODUCT: TM4105

PRODUCT DESCRIPTION

TM4105 is cross-linked polyethylene foam coated on one side with 2.5mils of skin friendly acrylic medical grade adhesive. The adhesive is protected by a 60# SCK liner with a silicone release system on one side.

TM4105 is designed for mounting electro-medical devices to human skin. Typical applications include electrocardiograph pads, grounding pads, automatic external defibrillator pads, I.V. securement and other applications requiring skin contact.

PRODUCT CONSTRUCTION

Carrier: 1/16" Medical Grade Polyethylene Foam

Adhesive: Acrysure Next Gen medical grade solvent-free acrylic adhesive has been formulated for sustained contact with human skin. It has been assessed by an independent bio-medical laboratory following ISO-10993 guidelines for skin contact properties. Specific test procedures and results are available upon request.

Liner: 60# SCK liner with a silicone release system on one side.

PHYSICAL PROPERTIES

Values given are typical and not for use in specifications

Performance Test	Unit of Measure	Typical Values	Testing Method
180° Peel Stainless Steel 30 minute dwell	lbs./in width (N/25mm)	6.90 (30.71)	PSTC – 101 (Method A)
Quick Tack -Stainless Steel	lbs./in ² (N/25mm)	10.38 (45.67)	PSTC – 16
Shear 1,000 gms @ 72°F	Hours	50	PSTC – 107
Tensile	lbs./in ² (N/25mm)	92 (404.8)	ASTM – D882
Elongation	percent %	200	ASTM – D882
Thickness			
Carrier & adhesive	inches (microns)	.0655 (1664)	
Liner		.0034 (864)	

* Tensile and Elongation values are for the carrier only.

TEMPERATURE RANGE

Product should be applied at temperatures between 45°F - 120°F.

Service temperature range is -20°F to 140°F depending on application.

ATTRIBUTES

- Excellent initial adhesion
- Adhesion to low surface energy surfaces
- Sterilizable
- Latex Free

SHELF LIFE

Two year shelf life when stored at 75°F. (24°C.) and 50% relative humidity or less. It is recommended that the product be stored in its original package until ready to use.

** Values given are typical for unprocessed product and are not for use as specifications. Processing may change the values.*

CALL 1-800-255-9733 for additional product information

IMPORTANT NOTICE: The information given and recommendations made herein are based on our research and are believed to be accurate. In every case, user shall determine before using any product in full scale production, whether such product is suitable for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or any other warranty, expressed or implied. No representative of ours has any authority to waive or change the foregoing provisions unless in a specific agreement signed by the officers of seller and manufacturer. Ultimately, sellers and manufacturers only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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