



PERFORMANCE GUIDE

Revised: 10/2015 JNP

PRODUCT: TM4230

PRODUCT DESCRIPTION

TM4230 is cross-linked polyethylene foam coated on two sides with 2.2mils of skin friendly medical grade adhesive, the unwind side is coated with a synthetic rubber adhesive and the liner side is coated with an acrylic adhesive. The adhesive is protected by a 60# silicone coated Kraft release liner.

TM4230 was designed for mounting 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: 1/32" Medical Grade Polyethylene Foam

Adhesive: **Unwind:** synthetic rubber medical grade adhesive **Liner:** solvent free medical grade acrylic adhesive. Both adhesives have been formulated for sustained contact with human skin. The adhesives have 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# Silicone coated bleached Kraft liner with a release system on both sides.

PHYSICAL PROPERTIES

Values given are typical and are not for use in specifications

| Performance Test | Unit of Measure | Typical Values | | Testing Method |
|--|-------------------------------|----------------------------|----------------------------|-----------------------|
| | | Liner | Unwind | |
| 180° Peel Stainless Steel 30 minute dwell | lbs./in width (N/25mm) | 6.68 (29.4) | 9.4 (41.4) | PSTC – 101 (Method A) |
| 180° Peel HDPE 30 minute dwell 24 hour dwell | lbs./in width (N/25mm) | 2.72 (11.9) 3.21 (14.1) | 7.86 (34.6) 7.86 (FT) | PSTC – 101 (Method A) |
| Quick Tack -Stainless Steel HDPE | lbs./in ² (N/25mm) | 5.15 (22.7) 1.26 (5.5) | 7.52 (30.1) 5.26 (23.1) | PSTC-16 |
| Shear 1,000 gms @ 72°F | Hours | | 4 | PSTC – 107 |
| Tensile | lbs./in ² (N/25mm) | | 140 (616) | ASTM – D882 |
| Elongation | percent % | | 230 | ASTM – D882 |

| Thickness | | |
|--------------------|-------------------------|----------------------|
| Carrier & adhesive | inches (microns) | .0361 (916.9) |
| Liner | | .0042 (18.5) |

* *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
- Gamma and ETO 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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