

4429

2.0 MIL SILICONE POLYIMIDE TAPE

INTERTAPE POLYMER GROUP® TECHNICAL DATA SHEET

DESCRIPTION

Extra strength polyimide backing and silicone adhesive offers outstanding thermal resistance and excellent electrical insulating properties. This tape is used where toughness, puncture resistance, extreme resistance to heat, and flame retardance are required.

PRODUCT APPLICATIONS

Used in gold fingers for protection in wave soldering or where used as ground barrier and phase insulation in high performance torroidal coils. Also used as an outer wrap on small bobbin wound coils and on form wound coils for traction motors.

NOMINAL VALUES

The following data are nominal values based on PSTC, ASTM and other standard tests. The data should not be considered as specifications.

| | |
|-------------------------------|-------------------------|
| Backing | Polyimide Film |
| Backing Thickness | 2.0 mil (0.050 mm) |
| Adhesive | Thermosetting Silicone |
| Color | Amber |
| Total Thickness | 3.5 mil (0.089 mm) |
| Dielectric Strength | 11000 Volts |
| Temp/Class | 180°C / H |
| Insulation Resistance | 10 ⁶ megohms |
| Tensile Strength | 65 lbs/in (114 N/cm) |
| Adhesion to Steel | 30 oz/in (3.3 N/cm) |
| Elongation | 60% |
| Electrolytic Corrosion | Direct 1.0/A, 1* |
| Flammability | BU 1* Passed UL510 |
| Storage Stability | Excellent |
| Solvent Resistance | Excellent |
| Moisture Resistance | Excellent |
| UL File # | E20780 |
| CSA File # | LR94980 |

*VDE 0340



100 Paramount Drive, Suite 300 | Sarasota, FL 34232 | USA
Customer Service: 800.IPG.8273 | 800.474.8273
Tape Technical Service: 877.447.4832
www.itape.com | info@itape.com

While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose. There is no warranty of fitness for a particular purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.

EFFECTIVE: 11/13

