

4428

POLYIMIDE FILM ELECTRICAL TAPE

INTERTAPE POLYMER GROUP® TECHNICAL DATA SHEET

DESCRIPTION

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. Operating temperature range is -60°C (-76°F) to +260°C (500°F).

PRODUCT APPLICATIONS

Used on gold fingers for protection in wave soldering. Used as ground barrier and phase insulation in high performance toroidal 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 | 1.0 mil (0.025 mm) |
| Adhesive | Thermosetting Silicone |
| Color | Amber |
| Total Thickness | 2.6 mil (0.067 mm) |
| Dielectric Strength | 7000 Volts |
| Temp/Class | 180°C / H |
| Insulation Resistance | 10 ⁶ megohms |
| Tensile Strength | 30 lbs/in (130 N/25mm) |
| Adhesion to Steel | 25 oz/in (6.8 N/25mm) |
| 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



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EFFECTIVE: 11/13

