

Electrical & Mechanical Specifications

| Typical Properties | Test Method | Performance |
|-------------------------------|----------------------------|-----------------------------------|
| Operating Temperature Ranges: | | |
| Continuous: | Standard Silicone Property | -45°C to 200°C (-50°F to 400°F) |
| Intermittent: | | -65°C to 260°C (-80°F to 500°F) |
| Specific Gravity | ASTM-D792-13 | 1.15 - 1.21 |
| Hardness, Durometer, Shore A | ASTM D2240-05 (2010) | |
| Room-cured – 24 Hours: | | 55 ± 5 |
| Tensile Strength | ASTM D3729-05 (2011) | 700 psi min. |
| Elongation | ASTM D3729-05 (2011) | 300% min |
| Tear Strength | ASTM D624-00 (2012) | 60ppi min. |
| Bond Strength | ASTM D2148-13 | 2 lbs. min. |
| Adhesion, unwind | ASTM D2148-13 | 3 in. min. |
| Cold Brittle Point | ASTM D2137-11 | -53°C (-63°F) |
| Water Absorption, by weight | Fed. Std. 601, Method 6251 | 3% max. |
| Dielectric Strength | ASTM D149-09 | 400Vpm min. |
| Volume Resistivity | ASTM D257 | 1 x 10 ¹³ OHMS/cm min. |

Relation and Compliance to Industry Standards

- A-A-59163A: Which supersedes MIL-I-46852C
- CPSIA: Consumer Product Safety Improvement Act
- PROP 65: The Safe Drinking Water and Toxic Enforcement Act of 1986
- RoHS: Restriction of Hazardous Substances Directive 2002/95/EC
- REACH: Registration, Evaluation, Authorization and Restriction of Chemicals (EU Regulation)

The Ultimate Insulating Wrap Product Line is UL Listed for use at not more than 600 V and at not more than 80°C (176°F).

General Performance Properties

| | |
|--|---|
| Moisture Resistance • <i>Excellent</i> | UV Resistance • <i>Excellent</i> |
| Electrical Insulation • <i>Excellent</i> | Ozone Resistance • <i>Excellent</i> |
| Resilience • <i>Excellent</i> | Corrosion Prevention • <i>Excellent</i> |
| High Temperatures • <i>Excellent</i> | Solvent Resistance • <i>Good</i> |
| Flame Resistance • <i>Good</i> | Acid Resistance • <i>Good-Fair</i> |
| Abrasion Resistance • <i>Good</i> | Oil Resistance • <i>Good-Fair</i> |
| Tear Resistance • <i>Good</i> | Hydrocarbon Resistance • <i>Good-Fair</i> |

Class H Insulator - National Electrical Manufacturers Association (NEMA)

X-Treme Tape has a 5 year shelf life (from date of manufacture) when stored at room temperature. Prolonged exposure to excessive temperatures can lessen the application bond of the tape.

Warranty: X-Treme Tape is warranted against defects in material and workmanship when used for the purposes intended, under normal conditions. The warranty applies to product only and does not apply to damages arising from use of the warranted product. The above values are typical performance data of silicone rubber tape and are not intended to be used as design data.



Intertek