

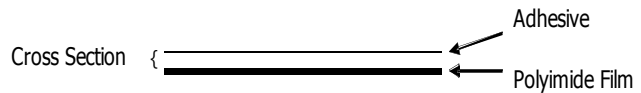
**NT 590 | POLYSIL POLYIMIDE SILICONE ADHESIVE TAPE | FILM TAPE**

**PolySil™ NT 590 offers optimum performance in electrical and thermal insulation with a continuous service temperature range of -100°F to 500°F (-73°C to 260°C) with short term, intermittent service to 600°F (315°C). The highly cross-linked adhesive is well anchored to the polyimide film to eliminate squeeze-out and/or legging. It provides clean removal on high temperature masking applications.**

**FEATURES & BENEFITS**

- **High Temperature resistant**
- **Clean removal / No adhesive residue**
- **Chemical and Abrasion resistant**
- **Good conformability**

**CONSTRUCTION DIAGRAM**



**TYPICAL APPLICATIONS**

- Electrical and thermal insulation
- Wire / cable wrapping
- High Temperature Masking

**CONSTRUCTION**

**PERFORMANCE**

**1 mil polyimide backing**

**1.5 mil cross-linked silicone adhesive**

**Self wound**

**Amber (film color)**

**Breaking Strength:** lbs./inch (kg/cm)

30 (5.4)

**Elongation:**

60 %

**Adhesion to steel:** oz./inch (kg/cm)

26 (.30)

**Dielectric Strength:**

7,500 Volts

**Insulation Class:**

356°F (180°C)

**IMPORTANT NOTICE TO PURCHASER:** All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his or her intended use, and the user assumes all risk and liability whatsoever in connection therewith. No representative of ours has authority to waive or change the foregoing provisions, but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to the needs and circumstances prevailing in their business. **ISO 9001 Registered Company.**