

# Hisco PT375 Polyimide Tape

## Technical Data Sheet

**Hisco PT375 is a polyimide tape that is ideally suited for applications requiring continuous high temperature operating conditions.**

### Features & Benefits:

Thermosetting adhesive provides solvent resistance and outstanding high temperature adhesion.

Hisco PT375 combines a thin conformable backing with outstanding puncture, tear and abrasion resistance at high temperature levels.

### Technical Data

ASTM Test Method

⇒ Backing: Polyimide film	
⇒ Adhesive: Silicone, thermosetting	
⇒ Backing Thickness: 1 mil	D-3652
⇒ Total Tape Thickness: 2.5 mils	D-3652
⇒ Tensile strength: 24 lbs. per inch	D-882-91
⇒ Elongation: 50%	D-882-91
⇒ Adhesion to steel: 20 oz./in	D-3330
⇒ Dielectric Strength: 7,500 volts	D-149-97
⇒ Temperature Resistance: 500°F	Oven Residue Testing (20min)
⇒ Insulation Class, Centigrade: 350°F/180°C	
⇒ Material conforms to mil spec: MIL-P-46112 Type I	

### Application:

Hisco PT375 is used as a ground barrier and phase insulation in high performance toroidal coils, high frequency motors. Hisco PT375 can be used for end turn bundling and connection insulation in small motors. Hisco PT375 is also used for cross-over insulation and out wraps on bobbin wound and form wound coils for large rotating machines to bundle conductors and reinforce insulation. Hisco PT375 can be used as wave solder masking of printed circuit boards.

*Note: The above are typical values and should not be used in writing specifications. The determination of the suitability of this product for any specific use is solely the responsibility of the user. No representatives, guarantees or warranties of any kind are made to the accuracy or suitability for specific applications. Tape should be stored in its original packaging in a cool dry area away from direct sunlight and should be used within 12 months from date of shipment. Surfaces to which tape is applied should be clean, dry and free of grease, oil or other contaminants.*