

Saint-Gobain CHR® K104 Polyimide Film Backing Silicone Adhesive Pressure Sensitive Tape

Category : Polymer , Tape , Thermoset , Polyimide, TS , Silicone

Material Notes:

Description: Polyimide films are employed because of their extreme heat resistance. Service temperatures range from -100°F to 500°F (-73°C to 260°C). These flame retardant films exhibit high tensile strength and conformability, good solvent resistance, excellent dielectric strength and good abrasion resistance. Polyimide tape applications include electrical insulation, capacitor, transformer and coil wrapping, electronic assembly, and wave solder protection. This tape uses a silicone adhesive system. Perfect for extreme temperature applications, silicone adhesives perform in continuous operating temperatures from -100°F to 500°F (-73°C to 260°C). Silicone-based adhesive systems exhibit good chemical resistance, retain electrical properties, and remove cleanly with little or no residue. All data based on a 0.0015 inch test sample. (Thickness given is for both backing and adhesive. Backing thickness is .0005 inches.) Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-CHR-K104-Polyimide-Film-Backing-Silicone-Adhesive-Pressure-Sensitive-Tape.php

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-----------|----------|-----------------------|
| Elongation at Break | 25 % | 25 % | |
| Tear Strength | 1.75 kN/m | 10.0 pli | Initial Tear Strength |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|---------|----------|
| Maximum Service Temperature, Air | 260 °C | 500 °F | |
| Minimum Service Temperature, Air | -73.3 °C | -100 °F | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-------------|------------|----------|
| Dielectric Strength | 105.0 kV/mm | 2666 kV/in | |
| Dielectric Breakdown | 4000 V | 4000 V | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color | Amber | |

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