

Saint-Gobain CHR® 2045-10 Skived PTFE Film Backing Silicone Adhesive Pressure Sensitive Tape

Category : Polymer , Adhesive , Tape , Thermoset , Silicone

Material Notes:

Description: PTFE films provide a conformable release surface and exhibit a remarkably low coefficient of friction and non-stick properties. PTFE films have high temperature resistance and are virtually unaffected by all chemicals. At elevated temperatures, PTFE film still retains excellent tensile strength. Service temperatures range from -100°F to +500°F (-73°C to 260°C). This tape uses a silicone adhesive system. Perfect for extreme temperature applications, silicone adhesives perform in continuous operating temperatures from -100°F to 500° (-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 0.0115 inch test sample.(Thickness given is for both backing and adhesive. Backing thickness is .01 inches.) Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-CHR-2045-10-Skived-PTFE-Film-Backing-Silicone-Adhesive-Pressure-Sensitive-Tape.php

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-----------|----------|-----------------------|
| Elongation at Break | 450 % | 450 % | |
| Tear Strength | 10.5 kN/m | 60.0 pli | Initial Tear Strength |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 260 °C | 500 °F | |
| Minimum Service Temperature, Air | -40.0 °C | -40.0 °F | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|------------|------------|----------|
| Dielectric Strength | 66.9 kV/mm | 1700 kV/in | |
| Dielectric Breakdown | 19500 V | 19500 V | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color | Gray | |

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