# Saint-Gobain CHR® M746 Polyester Film Backing Silicone Adhesive Pressure Sensitive Tape

Category : Polymer , Adhesive , Tape , Thermoset , Silicone

**Material Notes:**

Description: Polyester films have excellent dimensional stability, high tensile, tear, and impact strengths, and ultimate elongation up to 120% of its original dimensions. These films exhibit low water absorption and good resistance to oils, greases, strong acids, and organic solvents. They also retain electrical properties, dielectric strength, and dielectric constant in continuous operating temperatures from -100Â°F to 350Â°F (-73Â°C to 177Â°C). Applications include transformer and capacitor wrapping, printed circuit board fabrication, splicing tapes, composite bonding protection, and low-cost masking. This tape uses a silicone adhesive system. Perfect for extreme temperature applications, silicone adhesives perform in continuous operating temperatures from -100Â°F to 500Â° (-73Â°C to 260Â°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 0.0018 inch test sample.(Thickness given is for both backing and adhesive. Backing thickness is .001 inches.) Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-CHR-M746-Polyester-Film-Backing-Silicone-Adhesive-Pressure-Sensitive-Tape.php

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Elongation at Break | 100 % | 100 % | |
| Tear Strength | 4.38 kN/m | 25.0 pli | Initial Tear Strength |

| Thermal Properties | Metric | English | Comments |
|---|---|---|---|
| Maximum Service Temperature, Air | 177 Â°C | 350 Â°F | |
| Minimum Service Temperature, Air | -73.3 Â°C | -100 Â°F | |

| Descriptive Properties | Value | Comments |
|---|---|---|
| Color | Rd/Bl/Cl | |

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