

Saint-Gobain CHR[®] HM350 High Modulus 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[°]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. Specification Notes: MIL-I-123594C Type 1, Class 1, A-A-59474. All data based on a 0.0035 inch test sample. (Thickness given is for both backing and adhesive. Backing thickness is .002 inches.) Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-CHR-HM350-High-Modulus-PTFE-Film-Backing-Silicone-Adhesive-Pressure-Sensitive-Tape.php

Mechanical Properties	Metric	English	Comments
Elongation at Break	150 %	150 %	
Tear Strength	4.38 kN/m	25.0 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	89.96 kV/mm	2285 kV/in	
Dielectric Breakdown	8000 V	8000 V	

Descriptive Properties	Value	Comments
Color	White	

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