

Saint-Gobain CHR[®] HM430 High Modulus PTFE Film Backing Acrylic Adhesive Pressure Sensitive Tape

Category : Polymer , Adhesive , Tape , Thermoplastic , Acrylic (PMMA)

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 an acrylic adhesive system. Acrylic adhesives perform in continuous operating temperatures from -40[°]F to +375[°]F (-40[°]C to +188[°]C). Benefits include exceptional solvent resistance, excellent adhesion to metal, superior weathering and aging characteristics. Acrylics have an excellent shelf life, and when exposed to elevated temperatures, their ability to wet-out improves thus increasing both adhesion and tack properties. 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-HM430-High-Modulus-PTFE-Film-Backing-Acrylic-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	177 [°] C	350 [°] F	
Minimum Service Temperature, Air	-28.9 [°] C	-20.0 [°] 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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