

Saint-Gobain CHR[®] M97 Polyester Film Backing Acrylic Adhesive Pressure Sensitive Tape

Category : Polymer , Tape

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 -100°F to 350°F (-73°C to 177°C). Applications include transformer and capacitor wrapping, printed circuit board fabrication, splicing tapes, composite bonding protection, and low-cost masking. 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. YELLOW in color. Specification Notes: MIL-I-15126-MFT2.5 UL Guide OANZ2 File E51201 All data based on a 0.0025 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-M97-Polyester-Film-Backing-Acrylic-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	163 °C	325 °F	
Minimum Service Temperature, Air	-28.9 °C	-20.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	78.7 kV/mm	2000 kV/in	
Dielectric Breakdown	5000 V	5000 V	

Descriptive Properties	Value	Comments
Color	Yellow	

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