

Saint-Gobain CHR® M57 Polyester Film Backing Natural Rubber Adhesive Pressure Sensitive Tape

Category : Polymer , Adhesive , Tape , Thermoset , Rubber or Thermoset Elastomer (TSE)

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 a natural rubber adhesive system. Natural rubber adhesives impart high tack and shear characteristics. These adhesives perform in continuous operating temperatures from -20°F to +325°F (-29°C to +164°C). Natural rubber adhesives can be specially blended to manufacture a broad range of adhesive performance from a low adhesion of 3.0 oz./in. to a high adhesion of 60 oz./in. 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-M57-Polyester-Film-Backing-Natural-Rubber-Adhesive-Pressure-Sensitive-Tape.php

Mechanical Properties	Metric	English	Comments
Elongation at Break	120 %	120 %	
Tear Strength	8.77 kN/m	50.0 pli	Initial Tear Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	163 °C	325 °F	
Minimum Service Temperature, Air	-17.8 °C	0.000 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	78.7 kV/mm	2000 kV/in	
Dielectric Breakdown	7000 V	7000 V	

Descriptive Properties	Value	Comments
Color	Yellow	

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