

Saint-Gobain CHR[®] K109 Polyimide Film Backing Acrylic Adhesive Pressure Sensitive Tape

Category : Polymer , Tape , Thermoset , Polyimide, TS

Material Notes:

Description: Polyimide films are employed because of their extreme heat resistance. Service temperatures range from -100[°]F to 500[°]F (-73[°]C to 260[°]C). These flame retardant films exhibit high tensile strength and conformability, good solvent resistance, excellent dielectric strength and good abrasion resistance. Polyimide tape applications include electrical insulation, capacitor, transformer and coil wrapping, electronic assembly, and wave solder protection. 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-K109-Polyimide-Film-Backing-Acrylic-Adhesive-Pressure-Sensitive-Tape.php

Mechanical Properties	Metric	English	Comments
Elongation at Break	75 %	75 %	
Tear Strength	8.77 kN/m	50.0 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	112 kV/mm	2850 kV/in	
Dielectric Breakdown	10000 V	10000 V	

Descriptive Properties	Value	Comments
Color	Amber	

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