

Dielectric Polymers NT-590-2 Polyimide Film Tape (discontinued **)

Category : Polymer , Adhesive , Film , Tape , Thermoset , Polyimide, TS , Silicone

Material Notes:

Crosslinked silicone adhesive with polyimide film backing. Features: U.L. recognized class 392°F High temperature resistant Clean tape removal Applications: For high temperature masking, protecting gold finger contacts during wave soldering, flame resistant electrical and thermal insulation, wire and cable wrap and wire bundle termination. Information provided by Dielectric Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dielectric-Polymers-NT-590-2-Polyimide-Film-Tape-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Thickness	38.1 microns	1.50 mil	Adhesive
	50.8 microns	2.00 mil	Backing

Mechanical Properties	Metric	English	Comments
Elongation at Break	60 %	60 %	
Peel Strength	0.2849 kN/m	1.625 pli	Adhesion
	9.64 kN/m	55.0 pli	Tensile

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
	>= 288 °C	>= 550 °F	Shear Adhesive Failure (polyester failure)
	316 °C	600 °F	Intermittent
Minimum Service Temperature, Air	-73.3 °C	-100 °F	

Electrical Properties	Metric	English	Comments
Dielectric Breakdown	11500 V	11500 V	Dielectric Strength

Descriptive Properties	Value	Comments
Color	Amber	

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