

Dielectric Polymers NT-590DL Protective Film (discontinued **)

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

Material Notes:

Crosslinked silicone adhesive with polyimide film backing. Features: U.L. recognized Class 392°F High temperature resistant Die cut disks/shapes remove easily from liner Clean tape removal Applications: For selective masking applications where temperature resistance is a critical requirement. Used for powder coating, wave soldering, plating, and anodizing. Information provided by Dielectric Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dielectric-Polymers-NT-590DL-Protective-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Backing
	38.1 microns	1.50 mil	Adhesive
	50.8 microns	2.00 mil	PET film liner

Mechanical Properties	Metric	English	Comments
Elongation at Break	60 %	60 %	
Peel Strength	0.2849 kN/m	1.625 pli	Adhesion
	5.26 kN/m	30.0 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	7500 V	7500 V	Dielectric Strength

Descriptive Properties	Value	Comments
Color	Amber	

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