

CEN® Electronic Material HT Polyimide Film

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

Material Notes:

CEN® HT is a one side or both sides electrically conductive polyimide film for heating applications. With precisely controlled surface resistivity, the film resistive property is retained throughout the film, so it cannot be cracked, rubbed off or easily damaged, as is often the case with surface coatings or metallizations. Applications: heaters, heating facilities for automotive, health care, agriculture, aerospace, and consumer electronics. All information provided by CEN Electronic Material Co., LTD.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CEN-Electronic-Material-HT-Polyimide-Film.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	
Thickness	46.0 - 54.0 microns	1.81 - 2.13 mil	ASTM D374

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	110 MPa	16000 psi	ASTM D882
Film Tensile Strength at Yield, TD	100 MPa	14500 psi	ASTM D882
Elongation at Yield	>= 10 %	>= 10 %	ASTM D882

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	<= 10000 ohm	<= 10000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Shelf Life	>= 1.25 Month	>= 1.25 Month	

Descriptive Properties	Value	Comments
Folding Endurance	>500,000 times	
Power Density (W/cm ²)	6	
Rate of Electricity to Thermal (%)	>99	
Tolerance of Resistance (%)	<3	
Working Voltage (V)	3-850	

Descriptive Properties	Value	Comments
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