

5 Mil Polyimide Film

Specification Sheet

DESCRIPTION:

Polyimide film has been used successfully in applications at temperatures as low as -452°F and as high as 752°F. It can be laminated, metallized, punched, formed or adhesive coated. Polyimide is the recommended choice for applications that require an all-polyimide film with an excellent balance of properties over a wide range of temperatures.

PRODUCT APPLICATIONS:

Used on Mechanical parts, electronic part, electrical insulation, pressure sensitive tape, fiber optics cable, insulation blankets, insulation tubing, automotive diaphragms sensor and manifolds.

TECHNICAL DATA:

The following data are nominal values based on PSTC, ASTM and other standard tests.

Total Thickness	5 mil	
Tensile Strength	24,000 psi	ASTM D-882-91
Elongation at Rupture	50%	ASTM D-882-91
Breakdown Strength	3000 volts/mil	ASTM D-149-91
Surface Resistivity	1.0×10^{13} ohm	
Volume Resistivity	1.0×10^{15} OHM.cm	ASTM D-257-91
Dielectric Constant (1khz)	3—4	ASTM D-150-92
Dissipation Factor (1khz)	4.0×10^{-3}	ASTM D-150-92

GOVERNMENT COMPLIANCE:

Mil—P—46112B / ASTM D 5213, Type 1, Item A

RoHs / REACH COMPLAINT:

This Product Complies with the European Unions “Restriction of Hazardous Substances” (RoHs) initiative and European REACH regulation.

Note: The above data should be considered representative only and should not be used for specification purposes.



Custom Fabricating & Supplies

5500 West Oakwood Park Drive; Franklin, WI 53132

P: 414.421.2600 ~ T/F: 800.556.7188 ~ F: 414.421.2700

www.customfabricate.com

