



Polymics, Ltd.

High Performance Polymers & Compounds

Product Data

PYRAMID™ SE2000

Polyphenylene Sulfide (PPS)

General	ASTM Test	US Value	SI Unit
Density	D792	0.0488 lb/in ³	1.35 g/cm ³
Moisture Absorption, 24 hours @ 23°C	D570	0.02%	0.02%
Mechanical			
Tensile Strength (Break)	D638	13.1 kpsi	90 MPa
Tensile Modulus	D638	580 kpsi	4.0 GPa
Tensile Elongation (Break)	D638	8 %	8 %
Flexural Strength	D790	20 kpsi	138 MPa
Flexural Modulus	D790	609 kpsi	4.2 GPa
Izod Impact Strength, Notched, @1/8"	D256	0.38 ft-lb/in	20.3 J/m
Rockwell Hardness, D scale	D785	86	86
Thermal			
Melting Point	DSC	536°F	280°C
Glass Transition Temperature (Tg)	DSC	194°F	90°C
Electrical			
Dissipation Factor @ 1 MHz	D150	11 x 10 ⁻⁴	11 x 10 ⁻⁴
Volume Resistivity	D257	1 x 10 ⁹ Ohm-m	1 x 10 ⁹ Ohm-m

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