

Pyramid™ PPS SE2219

Polyphenylene Sulfide

Polymics, Ltd.

Message:

Pyramid™ PPS SE2219 is a Polyphenylene Sulfide (PPS) product filled with 30% carbon\graphite\ptfe. It is available in North America. Typical application: Engineering/Industrial Parts.

Characteristics include:

- Flame Rated
- ESD Protection
- Wear Resistant

General Information			
Filler / Reinforcement	Carbon\Graphite\PTFE,30% Filler by Weight		
Features	ESD Protection		
	Good Wear Resistance		
Uses	Bushings		
	Valves/Valve Parts		
	Washer		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	98		ASTM D785
Durometer Hardness (Shore D)	88		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17200	MPa	ASTM D638
Tensile Strength (Break)	138	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	15900	MPa	ASTM D790
Flexural Strength (Yield)	193	MPa	ASTM D790
Coefficient of Friction (vs. Itself - Dynamic)	0.25		ASTM D1894
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	255	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+7	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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