

Pyramid™ PPS SE2250

Polyphenylene Sulfide

Polymics, Ltd.

Message:

Pyramid™ PPS SE2250 is a Polyphenylene Sulfide (PPS) product filled with 30% carbon fiber. It is available in North America.

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	25000	MPa	ASTM D638
Tensile Strength (Break)	195	MPa	ASTM D638
Tensile Elongation (Break)	0.80	%	ASTM D638
Flexural Modulus	27900	MPa	ASTM D790
Flexural Strength (Yield)	265	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	90.0	°C	DSC
Melting Temperature	280	°C	DSC

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