

Pyramid™ PEEK KD2219

Polyetheretherketone

Polymics, Ltd.

Message:

Pyramid™ PEEK KD2219 is a Polyetheretherketone (PEEK) product filled with 30% filler. It is available in North America. Primary characteristic: wear resistant.

General Information			
Filler / Reinforcement	Filler,30% Filler by Weight		
Features	Good Wear Resistance		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8960	MPa	ASTM D638
Tensile Strength (Break)	160	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength (Yield)	221	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.11		
vs. Itself - Static	0.11		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	304	°C	ASTM D648
Glass Transition Temperature	143	°C	DSC
Melting Temperature	340	°C	DSC

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