

Pyramid™ PEI II2250

Polyether Imide

Polymics, Ltd.

Message:

Pyramid™ PEI II2250 is a Polyether Imide (PEI) 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	1.39	g/cm ³	ASTM D792
Molding Shrinkage - Flow	5.0	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20000	MPa	ASTM D638
Tensile Strength (Break)	214	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	17900	MPa	ASTM D790
Flexural Strength (Yield)	300	MPa	ASTM D790
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)	207	°C	ASTM D648

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