Polymics, Ltd.
High Performance Polymers & Compounds
2215 High Tech Road • State College • PA 16803 • USA
TEL: 1 (814) 357-5860 • FAX: 1 (814) 357-5863

Pyramid CC200 PEEK (KD-2190)

PEEK with 60% Continuous Carbon Fiber

General	ASTM #	US Value	SI Unit
Form	--	Compression Molded Shape	
Composition (base resin)	--	PEEK	
Reinforcement	--	Chopped Carbon Fiber/Tape	
Filler Content, Wt%	--	60% nominal	
Color	--	Gray/black	
Density, lb/in^3	D792	0.054	1.5 g/cm^3
Moisture Absorption @24hr., %	D570	<0.1	
Mechanical			
Tensile Strength (Break), Kpsi	D638	82	565 MPa
Tensile Modulus, Mpsi	D638	7.5	52 GPa
Elongation (Break),%	D638	0.9	
Flexural Strength (Yield) Kpsi	D790	116	800 MPa
Flexural Modulus Mpsi	D790	6.5	45 GPa
Compressive Strength, Kpsi	D695	85	59 MPa
Hardness, Rockwell M	D2240	M112	Shore D98
Izod, Notched, ft-lb/in @ 1/8"	D256	3	1.5 J/cm
Thermal			
Melting Point, °F	DSC	644	340°C
Tg (Glass Transition), °F	DSC	289	143°C
Flammability Rating (UL 94)	UL94	V-0	V-0
HDT @ 264 psi	D648	>580	>300°C
Electrical			
Volume Resistivity, Ohm-cm	D257	<50	<50
Surface Resistivity, Ohm-sq	D257	<50	<50

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Polymics • 2215 High Tech Rd. • State College • PA 16803 USA • TEL: (814) 357-5860
1006 Guangfu Rd. • Bade City • Taoyuan 33455 Taiwan • TEL: 886 (3) 339-8000

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