

# Generic PEKK - Carbon Fiber

Polyetherketoneketone

Generic

## Message:

This data represents typical values that have been calculated from all products classified as: Generic PEKK - Carbon Fiber

This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Carbon Fiber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35 to 1.47	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (23°C)	0.050 to 0.10	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.030 to 0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1100 to 26500	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.0 to 2.5	%	ASTM D638
Flexural Modulus (23°C)	24.5 to 31000	MPa	ASTM D790
Compressive Strength (23°C)	210 to 245	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53 to 96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	313 to 330	°C	ASTM D648
Glass Transition Temperature	160 to 163	°C	DSC

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## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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