

OXPEKK® IG210C

Polyetherketoneketone

Oxford Performance Materials, Inc.

Message:

OXPEKK® IG210C is a Polyetherketoneketone (PEKK) material filled with 10% carbon fiber. It is available in Europe or North America.

Typical application of OXPEKK® IG210C: Medical/Healthcare

General Information			
Filler / Reinforcement	Carbon Fiber, 10% Filler by Weight		
Uses	Body Implants		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Water Absorption (24 hr)	< 0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ASTM D638
Tensile Strength (Break)	193	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	9600	MPa	ASTM D790
Flexural Strength	269	MPa	ASTM D790
Compressive Strength	241	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	163	°C	DSC
Melting Temperature	360	°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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