

OXPEKK® IG205BS

Polyetherketoneketone

Oxford Performance Materials, Inc.

Message:

OXPEKK® IG205BS is a Polyetherketoneketone (PEKK) material filled with 5.0% barium sulfate. It is available in Europe or North America. Primary attribute of OXPEKK® IG205BS : Crystalline.

General Information			
Filler / Reinforcement	Barium Sulfate,5.0% Filler by Weight		
Features	Crystalline		
Appearance	Beige		
Forms	Preformed Parts		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow	< 1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4360	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	117	MPa	
Break	89.6	MPa	
Tensile Elongation			ASTM D638
Yield	5.0	%	
Break	8.0	%	
Flexural Modulus	4610	MPa	ASTM D790
Flexural Strength (5.0% Strain)	193	MPa	ASTM D790
Compressive Modulus	6490	MPa	ASTM D695
Compressive Strength			ASTM D695
20% Strain	145	MPa	
40% Strain ¹	228	MPa	
Compressive Strain ²	6.0	%	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	38	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	163	°C	DSC
Melting Temperature	360	°C	DSC
NOTE			
1.	at Maximum		
2.	2% offset yield		

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