

KEBAPEAK® PEEK XC1730

Polyetheretherketone

BARLOG plastics GmbH

Message:

PEEK; 30 % carbon fiber reinforced

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Resin ID (ISO 1043)	PEEK-CF30		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.60	%	
Flow	0.20	%	
Water Absorption (Saturation, 23°C)	0.040	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	23500	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	310	°C	ISO 75-2/A
Melting Temperature ¹	343	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+5	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (0.800 mm)	V-0		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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