

TECACOMP® PEEK 450 ID blue 3865

Polyetheretherketone
Ensinger GmbH

Message:

TECACOMP® PEEK 450 ID blue 3865 is a polyetheretherketone (PEEK) product. It can be processed by injection molding and is available in Europe.

General Information			
Appearance	Blue		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	
Apparent Density	0.80	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (380°C/5.0 kg)	7.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4300	MPa	ISO 527-2/50
Tensile Stress			
Yield	96.0	MPa	ISO 527-2
Fracture	80.0	MPa	ISO 527-2
--	96.0	MPa	ISO 527-2/50
Tensile Strain			
Yield	4.5	%	ISO 527-2
Fracture	14	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	143	°C	DIN 53765
Melting Temperature	343	°C	DIN 53765
Service Temperature			
long term	260	°C	
short term	300	°C	
Injection	Nominal Value	Unit	
Drying Temperature	140 - 160	°C	
Drying Time	4.0 - 6.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	360 - 400	°C	
Mold Temperature	180 - 210	°C	

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