

TECACOMP® PEEK 450 GF30 black 3689

Polyetheretherketone

Ensinger GmbH

Message:

TECACOMP® PEEK 450 GF30 black 3689 is a polyetheretherketone (PEEK) product, which contains a filler of 30% glass fiber reinforcement. It can be processed by injection molding and is available in Europe.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Appearance	Black		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm³	
Melt Mass-Flow Rate (MFR) (380°C/5.0 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-2/50
Tensile Stress	175	MPa	ISO 527-2/50
Tensile Strain (Break)	2.5	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	65	kJ/m²	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	160 - 210	°C	

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Recommended distributors for this material

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