

TECACOMP® PEEK 450 ELS nano black 4134

Polyetheretherketone
Ensinger GmbH

Message:

TECACOMP® PEEK 450 ELS nano black 4134 is a polyetheretherketone (PEEK) product. It can be processed by injection molding and is available in Europe.

General Information			
Appearance	Black		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	
Density	1.33	g/cm ³	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress	95.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	100	kJ/m ²	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	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	4.2E+6	ohms	DIN EN 61340
Volume Resistivity	4.2E+8	ohms · cm	DIN EN 61340
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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