

SCHULATEC® PEEK WR 30 GRTF NATURAL

Polyetheretherketone

A. Schulman Europe

Message:

polyetheretherketone, anti-friction/anti-wear with 30% PTFE/graphite

General Information			
Processing Method	Extrusion		
	Injection Molding		
Resin ID (ISO 1043)	PEEK		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7200	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	88.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	%	ISO 527-2/1A/5
Flexural Modulus	7000	MPa	ISO 178
Flexural Stress ¹ (5.0% Strain)	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.5	kJ/m ²	
23°C	9.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	158	°C	ISO 75-2/Af
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94, IEC 60695-11-10, -20	
0.800 mm	V-0		
1.60 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	150	°C	
Drying Time	3.0 to 6.0	hr	
Rear Temperature	360 to 370	°C	
Middle Temperature	380 to 390	°C	
Front Temperature	390 to 400	°C	
Nozzle Temperature	360 to 380	°C	
Processing (Melt) Temp	390	°C	
Mold Temperature	170 to 190	°C	
NOTE			

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