

SCHULATEC® PEEK CF 30 MV 14

Polyetheretherketone

A. Schulman Europe

Message:

30 % carbon fiber reinforced polyetheretherketone, medium viscosity

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Processing Method	Extrusion		
	Injection Molding		
Resin ID (ISO 1043)	PEEK		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (400°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	22800	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	217	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	%	ISO 527-2/1A/5
Flexural Modulus	20500	MPa	ISO 178
Flexural Stress	311	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	10	kJ/m ²	ISO 180
Unnotched Izod Impact Strength	44	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ¹ (1.8 MPa, Annealed)	315	°C	ASTM D648
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		

1. Measured on annealed samples 3,2
mm thick, 200°C/2h

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

