

Kepital® FA-20

Acetal (POM) Copolymer

KEP Americas

Message:

Carbon fiber reinforced conductive grade with 10^4 ohms of surface resistivity. FA-20 provides high stiffness and strength.

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Copolymer		
	Electrically Conductive		
	High Stiffness		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	100	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	7150	MPa	ISO 178
Flexural Stress (23°C)	135	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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