

Kepital® FA-30

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

A medium-high viscosity grade for general injection molding. It was reinforced carbon fiber and electrically modified with carbon black, and so suitable for parts requiring electric conductivity.

General Information			
Filler / Reinforcement	Carbon Fiber		
Additive	Carbon Black		
Features	Electrically Conductive		
	General Purpose		
	Medium-high Viscosity		
Uses	General Purpose		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	95.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	1.0	%	ISO 527-2
Flexural Modulus (23°C)	8000	MPa	ISO 178
Flexural Stress (23°C)	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179/1eA
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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