

Kepital® FG2015

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

15% glass fiber filled medium viscosity grade good for general injection molding. FG2015 is good for parts requiring high stiffness, strength, creep resistance, and HDT.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Rigidity, high		
	Copolymer		
	Good creep resistance		
	Fatigue resistance		
	Heat resistance, medium		
	Medium viscosity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	120	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	3.6	%	ISO 527-2
Flexural Modulus (23°C)	5200	MPa	ISO 178
Flexural Stress (23°C)	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179/1eA
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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