

Kepital® FG2025

Acetal (POM) Copolymer
Korea Engineering Plastics Co., Ltd

Message:

25% glass fiber filled medium viscosity grade good for general injection molding. FG2025 is good for parts requiring very high stiffness, strength, creep resistance, and HDT.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Features	Rigidity, high		
	Copolymer		
	Good creep resistance		
	Heat resistance, high		
	Medium viscosity		
Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	0.50 - 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	164	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	8400	MPa	ISO 178
Flexural Stress (23°C)	225	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	163	°C	ISO 75-2/A
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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