

Kepital® FB2025

Acetal (POM) Copolymer

KEP Americas

Message:

A 25% glass bead-filled grade for general injection molding. Suitable for parts requiring low warpage, reduced sink marks and dimensional stability

General Information			
Filler / Reinforcement	Glass beads		
Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ISO 1133
shrinkage-Flow ¹ (3.00 mm)	1.5	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	60.0	MPa	ISO 527-2/50
Nominal Tensile Strain at Break	4.8	%	ISO 527-2
Flexural Modulus (23°C)	3500	MPa	ISO 178
Flexural Stress (23°C)	93.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.8	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	115	°C	ISO 75-2/A
Melting Temperature	165	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
NOTE			
1.	100mm diameter		

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