Kepital® MF3025

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

A medium-high viscosity grade for general injection molding. It was reinforced milled glass fiber, and so suitable for parts requiring low warpage than those of the FG grade by reinforcing short glass fiber.

General Information			
UL YellowCard	E120354-220464		
Filler / Reinforcement	Glass Milled\Glass Fiber		
Features	Low Warpage Medium-high Viscosity		
Uses	General Purpose		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity			
--	1.58	g/cm³	ASTM D792
--	1.59	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			
190°C/2.16 kg	17	g/10 min	ASTM D1238
--	16	g/10 min	ISO 1133
Molding Shrinkage			
Flow : 2.00 mm	1.3	%	ASTM D955
3.00 mm	1.3	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 60% RH)	0.20	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
Yield, 23°C	65.0	MPa	ASTM D638
Yield, 23°C	78.0	MPa	ISO 527-2
Tensile Elongation			
Break, 23°C	4.0	%	ASTM D638
Break	4.9	%	ISO 527-2
Flexural Modulus			
23°C	5000	MPa	ASTM D790
23°C	5530	MPa	ISO 178
Flexural Strength			
23°C	113	MPa	ASTM D790

23°C	129	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.8	kJ/m²	ISO 179/1eA
Notched Izod Impact (3.20 mm)	42	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	156	°C	ASTM D648
Peak Melting Temperature	165	°C	ASTM D3418
CLTE - Flow (20 to 80°C)	9.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257, IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257, IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	HB		UL 94

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China