

Kepital® F40-03

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

Extremely easy-flowing grade for injection molding for thin walled precision parts. F40-03 provides the best flow-ability in injection molding.

General Information			
Features	Copolymer		
	Good liquidity		
	Thermal stability, good		
Uses	Thin wall parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	52	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	2.0	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	65.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	20	%	ISO 527-2
Flexural Modulus (23°C)	2750	MPa	ISO 178
Flexural Stress (23°C)	93.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	101	°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
Dielectric Strength	19	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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