

Kepital® F10-01

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

Message:
High viscosity grade, designed for stock shapes of extrusion. F10-01 is also good for injection molding of thick-walled where void and sink is concerned.

General Information			
Features	Copolymer		
	Viscosity, High		
Uses	Bar		
	Pipe fittings		
	Thick wall fittings (parts)		
	Sheet		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	2.2	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	63.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	40	%	ISO 527-2
Flexural Modulus (23°C)	2350	MPa	ISO 178
Flexural Stress (23°C)	82.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	96.0	°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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