

Kepital® FL2010

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

A medium-high viscosity grade for general injection molding. It was modified with 10% PTFE powder, and so suitable for parts requiring low wear and friction.

General Information			
UL YellowCard	E120354-220454		
Additive	PTFE Lubricant (10%)		
Features	General Purpose		
	Good Wear Resistance		
	Low Friction		
	Lubricated		
	Medium-high Viscosity		
Uses	General Purpose		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	2.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	14	%	ISO 527-2
Flexural Modulus (23°C)	2400	MPa	ISO 178
Flexural Stress (23°C)	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	kJ/m ²	ISO 179/1eA
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms · cm	IEC 60093
Electric Strength	16	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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