

Kepital® F25-03HT

Acetal (POM) Copolymer

KEP Americas

Message:

A medium-low viscosity grade for general injection molding with high stiffness, high toughness and a good friction & wear resistance.

General Information			
UL YellowCard	E120354-220445		
Features	Rigidity, high		
	Good wear resistance		
	Good toughness		
	General		
	Medium and low viscosity		
Uses	General		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	13	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	2.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	64.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	27	%	ISO 527-2
Flexural Modulus (23°C)	2600	MPa	ISO 178
Flexural Stress (23°C)	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°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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