

Kepital® TE-23(FU2015)

Acetal (POM) Copolymer

KEP Americas

Message:

A medium-high viscosity grade for general injection molding. It was modified with elastomer, and so suitable for parts requiring higher impact resistance and toughness.

General Information			
UL YellowCard	E120354-220459	E120354-220466	
Additive	Impact modifier		
Features	Impact modification		
	Copolymer		
	Impact resistance, high		
	Good toughness		
	Medium viscosity		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	1.8	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	45.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	> 50	%	ISO 527-2
Flexural Modulus (23°C)	1650	MPa	ISO 178
Flexural Stress (23°C)	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	13	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	76.0	°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
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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