

Kepital® TG-63

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

Kepital® TG-63 is an Acetal (POM) Copolymer material. It is available in Asia Pacific, Europe, or North America.

Important attributes of Kepital® TG-63 are:

- Chemical Resistant
- Creep Resistant
- Fatigue Resistant
- Good Dimensional Stability
- Good Processability
- Typical applications include:
 - Electrical/Electronic Applications
 - Engineering/Industrial Parts
 - Automotive

General Information			
Features	Fatigue Resistant		
	Good Chemical Resistance		
	Good Creep Resistance		
	Good Dimensional Stability		
	Good Flow		
	Good Moldability		
	Good Stiffness		
	Good Thermal Stability		
	Good Wear Resistance		
	Good Weather Resistance		
Uses	Automotive Applications		
	Electrical Parts		
	Electronic Data Processing		
	Industrial Parts		
	Machine/Mechanical Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.69	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20	%	ASTM D955
Water Absorption (24 hr)	0.18	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	118	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638

Flexural Modulus	9050	MPa	ASTM D790
Flexural Strength	171	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Tensile Impact Strength (1.60 mm)	162	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	164	°C	
1.8 MPa, Unannealed	160	°C	
Melting Temperature	165	°C	

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Recommended distributors for this material

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