

Kepital® TX-31

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

Low viscosity, lubricant pacakge grade. TX-31 is suitable for use requiring reduced noise and a good friction & wear resistance without sacrificing mechanical properties.

General Information			
Features	Low friction coefficient		
	Copolymer		
	Good liquidity		
	Good wear resistance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	30	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	2.0	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	56.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	35	%	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	7.0	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	89.0	°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	18	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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