

Kepital® TS-25A

Acetal (POM) Copolymer

KEP Americas

Message:

A wear-resistance grade modified with a special silicone for general injection molding. Designed for applications requiring low wear and friction

General Information			
Additive	Silicone lubricant		
Features	Good wear resistance		
	Lubrication		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ISO 1133
shrinkage-Flow ¹ (3.00 mm)	2.0	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	58.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	12	%	ISO 527-2
Nominal Tensile Strain at Break	30	%	ISO 527-2
Flexural Modulus (23°C)	2500	MPa	ISO 178
Flexural Stress (23°C)	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Melting Temperature	165	°C	ISO 11357-3
CLTE - Flow	1.3E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
NOTE			
1.	100mm diameter		

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