

Kepital® FL2005

Acetal (POM) Copolymer

KEP Americas

Message:

5% PTFE powder filled grade, good for general injection molding. FL2005 is suitable for parts that are required of low wear and friction.

General Information			
Additive	PTFE lubricant		
Features	Good wear resistance		
	Lubrication		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	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)	8.5	%	ISO 527-2
Nominal Tensile Strain at Break	15	%	ISO 527-2
Flexural Modulus (23°C)	2550	MPa	ISO 178
Flexural Stress (23°C)	82.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	165	°C	ISO 11357-3
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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