

# Kepital® FL2020

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

## Message:

20% PTFE powder filled grade, good for general injection molding. FL2020 is suitable for parts that are required of very low wear and friction, noise and high PV limits.

General Information			
Additive	PTFE lubricant (20%)		
Features	Low friction coefficient		
	Copolymer		
	Good wear resistance		
	Lubrication		
	Medium and high viscosity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	2.1	%	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)	15	%	ISO 527-2
Flexural Modulus (23°C)	2100	MPa	ISO 178
Flexural Stress (23°C)	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°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	16	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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