

Kepital® FM2020

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

MoS2 modified grade, good for general injection molding. FM2020 is suitable for parts that are required of good friction & wear resistance and high stiffness.

General Information			
Additive	Molybdenum disulfide lubricant		
Features	Low friction coefficient		
	Rigidity, high		
	Copolymer		
	Good wear resistance		
	Medium viscosity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	11	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)	65.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	20	%	ISO 527-2
Flexural Modulus (23°C)	2690	MPa	ISO 178
Flexural Stress (23°C)	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.5	kJ/m ²	ISO 179/1eA
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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