

PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer
KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

FM2020

A medium viscosity grade for general injection molding. It was modified with MoS₂, and so suitable for parts requiring a good friction & wear resistance and high stiffness.

Property	Test Method	Unit	Value
Physical			
Density	ISO 1183	g/cm ³	1.44
Melt flow rate	ISO 1133	g/10min	10
Thermal			
Deflection temperature 1.8MPa	ISO 75-1,2		103
Flammability	UL94	—	HB
Mechanical			
Tensile strength 23	ISO 527-1,2	kg _f /cm ² (MPa)	670 (66)
Nominal strain at break 23	ISO 527-1,2	%	23
Flexural strength 23	ISO 178	kg _f /cm ² (MPa)	930 (91)
Flexural modulus 23	ISO 178	10 ⁴ kg _f /cm ² (MPa)	2.75 (2,700)
Charpy notched impact strength	ISO 179/1eA	kg _f · cm/cm (kJ/m ²)	8.2 (8.0)
Electrical			
Surface resistivity	IEC 60093	Ω	1 10 ¹⁶
Volume resistivity	IEC 60093	Ω · cm	1 10 ¹⁴
Dielectric strength	IEC 60243-1	kV/mm	-
Molding shrinkage (//Direction) t3mm, Φ 100mm		%	2.0

Properties are subject to change with a new knowledge and development.

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