

PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer
KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

FC2020D

A medium-high viscosity grade for general injection molding. It was modified with electrically conductive carbon fiber, and so suitable for parts requiring conductive property and high stiffness.

Property	Test Method	Unit	Value
Physical			
Density	ISO 1183	g/cm ³	1.46
Melt flow rate	ISO 1133	g/10min	5.5
Thermal			
Deflection temperature 1.8MPa	ISO 75-1,2		163
Flammability	UL94	—	HB
Mechanical			
Tensile strength 23	ISO 527-1,2	kg _f /cm ² (MPa)	1,430 (140)
Strain at break 23	ISO 527-1,2	%	1.5
Flexural strength 23	ISO 178	kg _f /cm ² (MPa)	2,140 (210)
Flexural modulus 23	ISO 178	10 ⁴ kg _f /cm ² (MPa)	16.3 (16,000)
Charpy notched impact strength	ISO 179/1eA	kg _f · cm/cm (kJ/m ²)	-
Electrical			
Surface resistivity	IEC 60093	Ω	2 10 ²
Volume resistivity	IEC 60093	Ω · cm	1 10 ²
Dielectric strength	IEC 60243-1	kV/mm	-
Molding shrinkage (//Direction) t3mm, Φ 100mm		%	0.4

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

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