

PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

FG2025

A medium-high viscosity grade for general injection molding. It was reinforced with glass fiber, and so suitable for parts requiring very high stiffness, fatigue resistance, creep resistance and heat resistance.

Property	Test Method	Unit	Value
Physical			
Density	ISO 1183	g/cm ³	1.59
Melt flow rate	ISO 1133	g/10min	7
Thermal			
Deflection temperature 1.8MPa	ISO 75-1,2		162
Flammability	UL94	—	HB
Mechanical			
Tensile strength 23	ISO 527-1,2	kgf/cm ² (MPa)	1,630 (160)
Strain at break 23	ISO 527-1,2	%	3.0
Flexural strength 23	ISO 178	kgf/cm ² (MPa)	2,240 (220)
Flexural modulus 23	ISO 178	10 ⁴ kgf/cm ² (MPa)	8.40 (8,250)
Charpy notched impact strength	ISO 179/1eA	kgf · cm/cm (kJ/m ²)	8.2 (8.0)
Electrical			
Surface resistivity	IEC 60093		1 10 ¹⁶
Volume resistivity	IEC 60093	· cm	1 10 ¹⁴
Dielectric strength	IEC 60243-1	kV/mm	23
Molding shrinkage (Flow Direction) t3mm, 100mm		%	0.5

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

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KOREA ENGINEERING PLASTICS CO., LTD.

Head office Tel. 82-2-707-6841/48

Research center Tel. 82-31-436-1300