

PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer
KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

F10-02

A high viscosity grade for extrusion of round bars, sheets and tubes. It is also suitable for injection molding of thick-walled, void-free and sink mark reduced parts.

Property	Test Method	Unit	Value
Physical			
Density	ISO 1183	g/cm ³	1.41
Melt flow rate	ISO 1133	g/10min	3
Thermal			
Deflection temperature 1.8MPa	ISO 75-1,2		95
Flammability	UL94	—	HB
Mechanical			
Tensile strength 23	ISO 527-1,2	kgf/cm ² (MPa)	640 (63)
Nominal strain at break 23	ISO 527-1,2	%	38
Flexural strength 23	ISO 178	kgf/cm ² (MPa)	845 (83)
Flexural modulus 23	ISO 178	10 ⁴ kgf/cm ² (MPa)	2.45 (2,400)
Charpy notched impact strength	ISO 179/1eA	kgf · cm/cm (kJ/m ²)	9.2 (9.0)
Electrical			
Surface resistivity	IEC 60093	Ω	1 10 ¹⁴
Volume resistivity	IEC 60093	Ω · cm	1 10 ¹²
Dielectric strength	IEC 60243-1	kV/mm	19
Molding shrinkage (//Direction) t3mm, Φ 100mm		%	2.2

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

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