

PRODUCT INFORMATION

Metric & SI unit

**Acetal Copolymer
KEPITAL®**

KOREA ENGINEERING PLASTICS CO., LTD.

F20-52

A medium viscosity grade, natural color, for weather resistance purpose. It has stability on UV light, and so good at out-door use.

Property	Test Method	Unit	Value
Physical			
Density	ISO 1183	g/cm ³	1.41
Melt flow rate	ISO 1133	g/10min	10
Thermal			
Deflection temperature 1.8MPa	ISO 75-1,2		92
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	%	35
Flexural strength 23	ISO 178	kgf/cm ² (MPa)	850 (83)
Flexural modulus 23	ISO 178	10 ⁴ kgf/cm ² (MPa)	2.40 (2,350)
Charpy notched impact strength	ISO 179/1eA	kgf · cm/cm (kJ/m ²)	6.1 (6.0)
Electrical			
Surface resistivity	IEC 60093	Ω	1 10 ¹⁴
Volume resistivity	IEC 60093	Ω · cm	1 10 ¹³
Dielectric strength	IEC 60243-1	kV/mm	19
Molding shrinkage (Flow Direction) t3mm, Φ 100mm		%	2.0

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

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