

PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer
KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

ET-20S

A medium viscosity grade for general injection molding. It was modified with electrically conductive carbon black, and so suitable for parts requiring electric conductivity.

Property	Test Method	Unit	Value
Physical			
Density	ISO 1183	g/cm ³	1.38
Melt flow rate	ISO 1133	g/10min	11
Thermal			
Deflection temperature 1.8MPa	ISO 75-1,2		83
Flammability	UL94	—	HB
Mechanical			
Tensile strength 23	ISO 527-1,2	kgf/cm ² (MPa)	410 (40)
Nominal strain at break 23	ISO 527-1,2	%	14
Flexural strength 23	ISO 178	kgf/cm ² (MPa)	690 (68)
Flexural modulus 23	ISO 178	10 ⁴ kgf/cm ² (MPa)	2.70 (2,650)
Charpy notched impact strength	ISO 179/1eA	kgf · cm/cm (kJ/m ²)	4.6 (4.5)
Electrical			
Surface resistivity	IEC 60093	Ω	1 10 ²
Volume resistivity	IEC 60093	Ω · cm	5 10 ¹
Dielectric strength	IEC 60243-1	kV/mm	
Molding shrinkage (//Direction) t3mm, Φ 100mm		%	1.6

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

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