

PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

TS-22

A medium viscosity grade for general injection molding. It was modified with special type silicone, and so suitable for use needing a high limited PV value and a good friction & wear resistance.

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		95
Flammability	UL94	—	HB
Mechanical			
Tensile strength 23	ISO 527-1,2	kg _f /cm ² (MPa)	610 (60)
Nominal strain at break 23	ISO 527-1,2	%	45
Flexural strength 23	ISO 178	kg _f /cm ² (MPa)	820 (80)
Flexural modulus 23	ISO 178	10 ⁴ kg _f /cm ² (MPa)	2.45 (2,400)
Charpy notched impact strength	ISO 179/1eA	kg _f · cm/cm (kJ/m ²)	7.1 (7.0)
Electrical			
Surface resistivity	IEC 60093		1 10 ¹⁶
Volume resistivity	IEC 60093	· cm	1 10 ¹⁴
Dielectric strength	IEC 60243-1	kV/mm	-
Molding shrinkage (//Direction) t3mm, 100mm		%	2.0

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

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