

Acetal Copolymer KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

TE-21

A medium viscosity grade for general injection molding. It was modified with elastomer, and suitable for parts requiring higher impact resistance and toughness.

Property	Test Method	Unit	Value
Physical			
Density	ISO 1183	g/cm ³	1.39
Melt flow rate	ISO 1133	g/10min	11
Thermal			
Deflection temperature 1.8MPa	ISO 75-1,2		84
Flammability	UL94	—	HB
Mechanical			
Tensile strength 23	ISO 527-1,2	kgf/cm ² (MPa)	580 (57)
Nominal strain at break 23	ISO 527-1,2	%	40
Flexural strength 23	ISO 178	kgf/cm ² (MPa)	77 (76)
Flexural modulus 23	ISO 178	10 ⁴ kgf/cm ² (MPa)	2.20 (2,150)
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	-
Molding shrinkage (Flow Direction) t3mm, 100mm		%	1.9

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

DISCLAIMER : The information contained in this data sheet is based on our current knowledge and experience, so it may change as new knowledge and experience becomes available. This information is based on only above-mentioned product produced in Korea Engineering Plastics Co., Ltd. ("KEP") through relevant test methods and conditions and doesn't relate to any products made of this product with the inclusion of other additives, such as processing aids or colorants. This information should not be construed as a promise or guarantee of specific properties of this product described or its suitability for a particular application, so users make their own determination as to its suitability to their purposes prior to use this product. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of this product. This product is not intended for use in medical and dental implants and users should meet all safety and health standards. KEP makes no warranty and assumes no liability in connection with any use of this information.

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