

Acetal Copolymer
KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

F40-03

An extremely easy-flowing grade for injection molding of thin walled precision parts.

It has improved on thermal stability.

Property		Test Method	Unit	Value
Physical				
Density		ISO 1183	g/cm ³	1.41
Melt flow rate		ISO 1133	g/10min	52
Thermal				
Deflection temperature	1.8MPa	ISO 75-1,2		103
Flammability		UL94	–	HB
Mechanical				
Tensile strength	23	ISO 527-1,2	kg _f /cm ² (MPa)	660 (65)
Nominal strain at break	23	ISO 527-1,2	%	21
Flexural strength	23	ISO 178	kg _f /cm ² (MPa)	950 (93)
Flexural modulus	23	ISO 178	10 ⁴ kg _f /cm ² (MPa)	2.80 (2,750)
Charpy notched impact strength		ISO 179/1eA	kg _f · cm/cm (kJ/m ²)	5.6 (5.5)
Electrical				
Surface resistivity		IEC 60093		1 10 ¹⁶
Volume resistivity		IEC 60093	· cm	1 10 ¹⁴
Dielectric strength		IEC 60243-1	kV/mm	19
Molding shrinkage (//Direction)	t3mm, 100mm		%	2.0

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

Although the information and recommendations set forth herein are presented in good faith and believed to be correct, we recommend that persons receiving information must make their own determination as to its suitability to their purposes prior to use. These are based on natural colored products only through relevant test methods and conditions. The KOREA ENGINEERING PLASTICS CO., LTD. assumes no warranty or liability of, express or implied, as to the accuracy or completeness thereof, or any other nature regarding designs, products, or information may be used without infringing the intellectual property rights of others. Further, the data furnished by KEP are not intent to replace any testing required to determine a suitability of any application and set a specification limit for design.

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