PRODUCT INFORMATION Metric & SI unit

Acetal Copolymer

KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

TC3010

A low viscosity grade for general injection molding. It was modified with talcum, and so suitable for parts requiring more reducing deformation than that of standard grade under stress and excellent dimensional accuracy.

Property		Test Method	Unit	Value	
Physical					
Density		ISO 1183	g/㎤	1.56	
Melt flow rate		ISO 1133	g/10min	21	
Thermal					
Deflection temperature	1.8MPa	ISO 75-1,2	℃	125	
Flammability		UL94	–	HB	
Mechanical					
Tensile strength	23℃	ISO 527-1,2	kg_f/cm^2 (MPa)	680	(67)
Strain at break	23℃	ISO 527-1,2	%	5	
Flexural strength	23℃	ISO 178	kg_f/cm^2 (MPa)	1,070	(105)
Flexural modulus	23℃	ISO 178	x 10^4 kg_f/cm^2 (MPa)	4.28	(4,200)
Charpy notched impact strength		ISO 179/1eA	kg_f ㆍ cm/cm (kJ/㎡)	3.5	(3.4)
Electrical					
Surface resistivity		IEC 60093	Ω	1 x 10^{16}	
Volume resistivity		IEC 60093	Ω ㆍ cm	1 x 10^{14}	
Dielectric strength		IEC 60243-1	kV/mm	-	
Molding shrinkage (//Direction) t3mm, Φ100mm			%	1.7	

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

KOREA ENGINEERING PLASTICS CO., LTD.
Head office Tel. 82-2-707-6841/48
Research center Tel. 82-31-436-1300