

PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer
KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

FL2020

A medium-high viscosity grade for general injection molding. It was modified with 20% PTFE powder, and so suitable for parts requiring low wear and friction.

Property	Test Method	Unit	Value
Physical			
Density	ISO 1183	g/cm ³	1.51
Melt flow rate	ISO 1133	g/10min	5
Thermal			
Deflection temperature 1.8MPa	ISO 75-1,2		90
Flammability	UL94	—	HB
Mechanical			
Tensile strength 23	ISO 527-1,2	kg _f /cm ² (MPa)	460 (45)
Nominal strain at break 23	ISO 527-1,2	%	15
Flexural strength 23	ISO 178	kg _f /cm ² (MPa)	660 (65)
Flexural modulus 23	ISO 178	10 ⁴ kg _f /cm ² (MPa)	2.14 (2,100)
Charpy notched impact strength	ISO 179/1eA	kg _f · cm/cm (kJ/m ²)	4.1 (4.0)
Electrical			
Surface resistivity	IEC 60093	Ω	1 10 ¹⁶
Volume resistivity	IEC 60093	Ω · cm	1 10 ¹⁴
Dielectric strength	IEC 60243-1	kV/mm	16
Molding shrinkage (//Direction) t3mm, Φ 100mm		%	2.1

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.

KOREA ENGINEERING PLASTICS CO., LTD.

Head office Tel. 82-2-707-6841/48

Research center Tel. 82-31-436-1300