

PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer
KEPITAL[®]

KOREA ENGINEERING PLASTICS CO., LTD.

F10-03H

A high viscosity grade for general injection molding with high stiffness. 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 | 3 |
| Thermal | | | |
| Deflection temperature | 1.8MPa | ISO 75-1,2 | 100 |
| Flammability | | UL94 | HB |
| Mechanical | | | |
| Tensile strength | 23 | ISO 527-1,2 | kg _f /cm ² (MPa) 700 (69) |
| Nominal strain at break | 23 | ISO 527-1,2 | % 40 |
| Flexural strength | 23 | ISO 178 | kg _f /cm ² (MPa) 940 (92) |
| Flexural modulus | 23 | ISO 178 | 10 ⁴ kg _f /cm ² (MPa) 2.75 (2,700) |
| Charpy notched impact strength | | ISO 179/1eA | kg _f · cm/cm (kJ/m ²) 11.7 (11.5) |
| Electrical | | | |
| Surface resistivity | | IEC 60093 | 1 10 ¹⁴ |
| Volume resistivity | | IEC 60093 | · cm 1 10 ¹² |
| Dielectric strength | | IEC 60243-1 | kV/mm 19 |
| Molding shrinkage (//Direction) t3mm, 100mm | | | % 2.2 |

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

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