

PRODUCT INFORMATION**Metric & SI unit****Acetal Copolymer**
KEPITAL®

KOREA ENGINEERING PLASTICS CO., LTD.

FU2025

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

| Property | Test Method | Unit | Value |
|--|-------------|--|--------------------|
| Physical | | | |
| Density | ISO 1183 | g/cm ³ | 1.35 |
| Melt flow rate | ISO 1133 | g/10min | 5 |
| Thermal | | | |
| Deflection temperature 1.8MPa | ISO 75-1,2 | | 72 |
| Flammability | UL94 | — | HB |
| Mechanical | | | |
| Tensile strength 23 | ISO 527-1,2 | kg _f /cm ² (MPa) | 440 (43) |
| Nominal strain at break 23 | ISO 527-1,2 | % | 50 |
| Flexural strength 23 | ISO 178 | kg _f /cm ² (MPa) | 540 (53) |
| Flexural modulus 23 | ISO 178 | 10 ⁴ kg _f /cm ² (MPa) | 1.43 (1,400) |
| Charpy notched impact strength | ISO 179/1eA | kg _f • cm/cm (kJ/m ²) | 18.4 (18.0) |
| 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 (//Direction) t3mm, 100mm | | % | - |

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**