

KEPITAL F10-02

A high viscosity grade for extrusion of round bars, sheets and tubes. It is also suitable for injection molding of thick-walled, void-free and sink mark reduced parts.

| | Properties | Test condition | Method | Unit | Value |
|------------|------------------------------------|----------------|-------------|-------------------|----------------------|
| Physical | Density | | ISO 1183 | g/cm ³ | 1,41 |
| | Melt Flow Rate | | ISO 1133 | g/10min | 3 |
| | Molding Shrinkage (Flow Direction) | t 3mm, Ø 100mm | KEP Method | % | 2,2 |
| Thermal | Heat Deflection Temperature (HDT) | 1.8 MPa | ISO 75-1,2 | °C | 96 |
| | Flammability | | UL94 | Class | HB |
| Mechanical | Tensile Strength | 23°C | ISO 527-1,2 | MPa | 63 |
| | Flexural Strength | 23°C | ISO 178 | MPa | 83 |
| | Flexural Modulus | 23°C | ISO 178 | MPa | 2,400 |
| | Charpy Notched Impact Strength | | ISO 179/1eA | kJ/m ² | 7 |
| | Nominal Strain at Break | 23°C | ISO 527-1,2 | % | 40 |
| Electrical | Surface Resistivity | | IEC 60093 | Ω | 1 x 10 ¹⁶ |
| | Volume Resistivity | | IEC 60093 | Ω • cm | 1 x 10 ¹⁴ |
| | Dielectric Strength | | IEC 60243-1 | kV /mm | 19 |