

# Kepital FT 2020

A medium-low viscosity grade for general injection molding. It was reinforced with whisker, and so suitable for parts requiring much higher stiffness, dimensional accuracy and low warpage.

|            | Properties                         | Test condition | Method      | Unit              | Value                |
|------------|------------------------------------|----------------|-------------|-------------------|----------------------|
| Physical   | Density                            |                | ISO 1183    | g/cm <sup>3</sup> | 1,59                 |
|            | Melt Flow Rate                     |                | ISO 1133    | g/10min           | 15                   |
|            | Molding Shrinkage (Flow Direction) | t 3mm, Ø 100mm | KEP Method  | %                 | 0,9                  |
|            | Thermal                            | Flammability   |             | UL94              | Class                |
| Mechanical | Tensile Strength                   | 23°C           | ISO 527-1,2 | MPa               | 86                   |
|            | Strain at Break                    | 23°C           | ISO 527-1,2 | %                 | 2,7                  |
|            | Flexural Strength                  | 23°C           | ISO 178     | MPa               | 146                  |
|            | Flexural Modulus                   | 23°C           | ISO 178     | MPa               | 6.800                |
|            | Charpy Notched Impact Strength     |                | ISO 179/1eA | kJ/m <sup>2</sup> | 3,6                  |
| Electrical | Surface Resistivity                |                | IEC 60093   | Ω                 | 1 x 10 <sup>16</sup> |
|            | Volume Resistivity                 |                | IEC 60093   | Ω cm              | 1 x 10 <sup>14</sup> |

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

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