

# Kepital FG2025 LOF

A medium-high viscosity grade for general injection molding. It was reinforced glass fiber, and suitable for parts requiring very high stiffness, fatigue resistance, creep resistance, and heat resistance. Low odor grade improved on heat stability.

|            | Properties                            | Test condition | Method      | Unit              | Value                |
|------------|---------------------------------------|----------------|-------------|-------------------|----------------------|
| Physical   | Density                               |                | ISO 1183    | g/cm <sup>3</sup> | 1,59                 |
|            | Melt Flow Rate                        |                | ISO 1133    | g/10min           | 7                    |
|            | Molding Shrinkage<br>(Flow Direction) | t 3mm, Ø 100mm | KEP Method  | %                 | 0,5                  |
|            | Thermal                               | Flammability   |             | UL94              | Class                |
| Mechanical | Tensile Strength                      | 23°C           | ISO 527-1,2 | MPa               | 140                  |
|            | Flexural Strength                     | 23°C           | ISO 178     | MPa               | 190                  |
|            | Flexural Modulus                      | 23°C           | ISO 178     | MPa               | 8.000                |
|            | Charpy Notched Im-<br>pact Strength   |                | ISO 179/1eA | kJ/m <sup>2</sup> | 7                    |
|            | Tensile Elongation                    | 23°C           | ISO 527-1,2 | %                 | 2,5                  |
| 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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