

# Kepital TE-24

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

|              | Properties                         | Test condition                    | Method      | Unit              | Value               |
|--------------|------------------------------------|-----------------------------------|-------------|-------------------|---------------------|
| Physical     | Density                            |                                   | ISO 1183    | g/cm <sup>3</sup> | 1,35                |
|              | Melt Flow Rate                     |                                   | ISO 1133    | g/10min           | 6                   |
|              | Molding Shrinkage (Flow Direction) | t 3mm, Ø 100mm                    | KEP Method  | %                 | 1,7                 |
|              | Thermal                            | Heat Deflection Temperature (HDT) | 1.8 MPa     | ISO 75-1,2        | °C                  |
| Flammability |                                    |                                   | UL94        | Class             | HB                  |
| Mechanical   | Tensile Strength                   | 23°C                              | ISO 527-1,2 | MPa               | 41                  |
|              | Flexural Strength                  | 23°C                              | ISO 178     | MPa               | 53                  |
|              | Flexural Modulus                   | 23°C                              | ISO 178     | MPa               | 1.450               |
|              | Charpy Notched Impact Strength     |                                   | ISO 179/1eA | kJ/m <sup>2</sup> | 18                  |
|              | Nominal Strain at Break            | 23°C                              | ISO 527-1,2 | %                 | >60                 |
| Electrical   | Surface Resistivity                |                                   | IEC 60093   | □                 | 1x 10 <sup>16</sup> |
|              | Volume Resistivity                 |                                   | IEC 60093   | □ □ cm            | 1x 10 <sup>14</sup> |
|              | Dielectric Strength                |                                   | IEC 60243-1 | kV /mm            | 21                  |

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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