

Kepital® TE-22

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

Moderate and high improvement in impact strength and flexibility. TE-22 is higher impact modified than TE-21, so is suitable for parts that more impact resistance is needed.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Additive | Impact modifier | | |
| Features | Impact modification | | |
| | Copolymer | | |
| | Impact resistance, high | | |
| | Good flexibility | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.37 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) | 8.5 | g/10 min | ISO 1133 |
| Molding Shrinkage - Flow (3.00 mm) | 1.8 | % | ISO 294-4 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Break, 23°C) | 51.0 | MPa | ISO 527-2 |
| Nominal Tensile Strain at Break (23°C) | > 50 | % | ISO 527-2 |
| Flexural Modulus (23°C) | 1900 | MPa | ISO 178 |
| Flexural Stress (23°C) | 68.0 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 11 | kJ/m ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 76.0 | °C | ISO 75-2/A |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+16 | ohms | IEC 60093 |
| Volume Resistivity | 1.0E+14 | ohms · cm | IEC 60093 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | HB | | UL 94 |

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