

KEPITAL® TE-21S

POM, toughened, medium-viscosity grade

KEPITAL® TE-21S is a toughened, medium-viscosity grade for general injection molding. Suitable for applications requiring higher impact resistance and toughness.

Product information

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| Part Marking Code | > POM-HI < | ISO 11469 |
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Typical mechanical properties

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| Yield stress, 50mm/min | 57 MPa | ISO 527-1/-2 |
| Yield strain, 50mm/min | 9.5 % | ISO 527-1/-2 |
| Nominal strain at break | 37 % | ISO 527-1/-2 |
| Flexural Modulus | 2200 MPa | ISO 178 |
| Flexural Strength | 77 MPa | ISO 178 |
| Charpy notched impact strength, 23°C | 11 kJ/m ² | ISO 179/1eA |

Thermal properties

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| Melting temperature, 10°C/min | 165 °C | ISO 11357-1/-3 |
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Electrical properties

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| Volume resistivity | 1E12 Ohm.m | IEC 62631-3-1 |
| Surface resistivity | 1E16 Ohm | IEC 62631-3-2 |

Other properties

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| Density | 1390 kg/m ³ | ISO 1183 |
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