

KEPITAL® TE-24S LOF

POM, toughened, low emission

KEPITAL® TE-24S LOF is a toughened (high content impact-modified additive) grade for general injection molding. Suitable for applications requiring superior impact-modified property and good flexibility. A low-emission grade featuring improved heat stability.

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| 1 100 | IUGL | | ıvıııaı | IUII |

| Part Marking Code | > POM-HI < | ISO 11469 | |
|---|------------|------------|--------------------|
| Rheological properties | | | |
| Moulding shrinkage, parallel | 1.5 | % | ISO 294-4, 2577 |
| Typical mechanical properties | | | |
| Yield stress, 50mm/min | | MPa | ISO 527-1/-2 |
| Yield strain, 50mm/min | 17 | | ISO 527-1/-2 |
| Nominal strain at break | >100 | | ISO 527-1/-2 |
| Flexural Modulus Flexural Strength | | MPa MPa | ISO 178 ISO 178 |
| Charpy notched impact strength, 23°C | · · | kJ/m² | ISO 179/1eA |
| Onarpy notoned impact strength, 25 °C | 22 | NO/III | 100 173/104 |
| Thermal properties | | | |
| Melting temperature, 10°C/min | 165 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.8 MPa | 61 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 130 | E-6/K | ISO 11359-1/-2 |
| Electrical properties | | | |
| Volume resistivity | 1F12 | Ohm.m | IEC 62631-3-1 |
| Surface resistivity | 1E16 | | IEC 62631-3-2 |
| , | | | |
| Other properties | | | |
| Humidity absorption, 2mm | 0.25 | % | Sim. to ISO 62 |
| Density | 1320 | kg/m³ | ISO 1183 |
| | | | |

Printed: 2023-08-07 Page: 1 of 1

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