

## KEPITAL<sup>®</sup> TE-24S

## super-toughened impact-resistance grade

KEPITAL® TE-24 is a super-toughened impact-resistance grade for general injection molding. Designed for highly stressed parts and suitable for applications requiring superior impact resistance and excellent toughness

Rheological properties		
Moulding shrinkage, parallel	1.7 %	ISO 294-4, 2577
Typical mechanical properties		
Yield stress, 50mm/min	38 MPa	ISO 527-1/-2
Yield strain, 50mm/min	23 %	ISO 527-1/-2
Nominal strain at break	>100 %	ISO 527-1/-2
Flexural Modulus	1300 MPa	ISO 178
Flexural Strength	46 MPa	ISO 178
Charpy notched impact strength, 23°C	28 kJ/m²	ISO 179/1eA
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	>1E14 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16 Ohm	IEC 62631-3-2
Other properties		
Humidity absorption, 2mm	0.25 %	Sim. to ISO 62
Density	1320 kg/m <sup>3</sup>	ISO 1183
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