

KEPITAL® TE-22

toughened, medium-viscosity grade

KEPITAL® TE-22 is a toughened, medium-viscosity grade for general injection molding. Suitable for applications requiring high impact resistance, reduced impact noise, and quality surface.

Rheological properties

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Moulding shrinkage, parallel	1.7	%	ISO 294-4, 2577
Typical mechanical properties			
Yield stress, 50mm/min	51	MPa	ISO 527-1/-2
Yield strain, 50mm/min	11	%	ISO 527-1/-2
Nominal strain at break	>50	%	ISO 527-1/-2
Flexural Modulus	1900	MPa	ISO 178
Flexural Strength	68	MPa	ISO 178
Charpy notched impact strength, 23°C	11	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	76	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130	E-6/K	ISO 11359-1/-2
Other properties			
Humidity absorption, 2mm	0.23	%	Sim. to ISO 62
Density		kg/m³	ISO 1183

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