

KEPITAL® TE-23 (FU2015)

toughened, medium-high viscosity grade

KEPITAL® TE-23 (FU2015) is a toughened, medium-high viscosity grade for general injection molding. Suitable for applications requiring higher impact resistance, impact noise, and quality surface

Rheological properties

Moulding shrinkage range, parallel	1.8 %	ISO 294-4, 2577
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Typical mechanical properties

Yield stress, 50mm/min	45 MPa	ISO 527-1/-2
Yield strain, 50mm/min	12 %	ISO 527-1/-2
Nominal strain at break	>50 %	ISO 527-1/-2
Flexural Modulus	1650 MPa	ISO 178
Flexural Strength	60 MPa	ISO 178
Charpy notched impact strength, 23°C	13 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.442	

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

Flammability

Burning Behav. at thickness h	HB class	UL 94
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Electrical properties

Volume resistivity	>1E14 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16 Ohm	IEC 62631-3-2

Other properties

Humidity absorption, 2mm	0.24 %	Sim. to ISO 62
Density	1360 kg/m ³	ISO 1183

Other Approvals

Other Approvals

OEM	Specification
GM	GMW22P-POM-C2P2

