

KEPITAL® 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 range, 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/m ²	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

Flammability

Burning Behav. at thickness h	HB class	UL 94
-------------------------------	----------	-------

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 ³	ISO 1183

