

KEPITAL® NX-20

A special polymer modified wear-resistance grade for general injection molding

A special polymer modified wear-resistance grade for general injection molding. A complex wear-resistance grade, designed for applications requiring reduced wear, low friction and low noise.

Rheological properties

Moulding shrinkage range, parallel	2.1 %	ISO 294-4, 2577
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Typical mechanical properties

Yield stress, 50mm/min	55 MPa	ISO 527-1/-2
Yield strain, 50mm/min	8 %	ISO 527-1/-2
Nominal strain at break	20 %	ISO 527-1/-2
Flexural Modulus	2400 MPa	ISO 178
Flexural Strength	75 MPa	ISO 178
Charpy notched impact strength, 23°C	3.5 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	90 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 E-6/K	ISO 11359-1/-2

Electrical properties

Volume resistivity	>1E12 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16 Ohm	IEC 62631-3-2

Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Density	1380 kg/m ³	ISO 1183
