

KEPITAL® F30-52

unfilled, low viscosity grade with UV resistance

KEPITAL® F30-52 is a UV-stabilized (medium low-viscosity) grade for general injection molding. Developed for applications in automotive interiors and exposed parts.

Rheological properties

Moulding shrinkage, parallel	2.0 %	ISO 294-4, 2577
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Typical mechanical properties

Tensile Modulus	2650 MPa	ISO 527-1/-2
Yield stress, 50mm/min	62 MPa	ISO 527-1/-2
Yield strain, 50mm/min	9 %	ISO 527-1/-2
Nominal strain at break	30 %	ISO 527-1/-2
Flexural Modulus	2450 MPa	ISO 178
Flexural Strength	83 MPa	ISO 178
Charpy notched impact strength, 23°C	5 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.5 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

Electric strength	19 kV/mm	IEC 60243-1
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Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Density	1410 kg/m ³	ISO 1183