

KEPITAL® F20-51U

a UV-stabilized and impact-improved medium-viscosity grade for general injection molding (black-colored)
KEPITAL® F20-51U is a UV-stabilized and impact-improved medium-viscosity grade for general injection molding (black-colored). Suitable for uses requiring strong weather resistance. Developed for applications in automotive exteriors and exposed parts.

Rheological properties

Moulding shrinkage range, parallel	2.0 %	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	10 %	ISO 527-1/-2
Nominal strain at break	40 %	ISO 527-1/-2
Flexural Modulus	2250 MPa	ISO 178
Flexural Strength	75 MPa	ISO 178
Charpy notched impact strength, 23°C	8.5 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.471	

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	89 °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	1380 kg/m ³	ISO 1183

Other Approvals

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OEM	Specification	Additional Information
GM	GMW22P-POM-C2P1	Black