

# KEPITAL® F30-03

unfilled, low viscosity grade

- A stiffness-improved(low-viscosity) grade for general injection molding.
- Features greater stiffness compared to general POM copolymer.

## Rheological properties

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

Tensile Modulus	2850 MPa	ISO 527-1/-2
Yield stress, 50mm/min	65 MPa	ISO 527-1/-2
Yield strain, 50mm/min	8 %	ISO 527-1/-2
Nominal strain at break	25 %	ISO 527-1/-2
Flexural Modulus	2700 MPa	ISO 178
Flexural Strength	90 MPa	ISO 178
Charpy notched impact strength, 23°C	5.5 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	5 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.39	

## Thermal properties

Melting temperature, 10°C/min	168 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	101 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120 E-6/K	ISO 11359-1/-2

## Electrical properties

Surface resistivity	>1E16 Ohm	IEC 62631-3-2
Electric strength	19 kV/mm	IEC 60243-1

## Other properties

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

## Other Approvals

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OEM	Specification	Additional Information
GM	GMP.POM.021	Natural & Black