

KEPITAL® F40-52 SM

POM, low-viscosity metallic grade, UV and weather resistant

- A low-viscosity metallic grade for general injection molding
- Designed for applications eliminating the secondary processing such as painting and plating
- Suitable for applications requiring UV stability such as door handle, clip and cosmetic container cap

Product information

Part Marking Code	> POM <	ISO 11469
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Typical mechanical properties

Yield stress, 50mm/min	55 MPa	ISO 527-1/-2
Yield strain, 50mm/min	6 %	ISO 527-1/-2
Nominal strain at break	8 %	ISO 527-1/-2
Flexural Modulus	2800 MPa	ISO 178
Flexural Strength	80 MPa	ISO 178
Charpy notched impact strength, 23°C	3 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
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Electrical properties

Volume resistivity	>1E14 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16 Ohm	IEC 62631-3-2

Other properties

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