

## KEPITAL® F40-52 SM

POM, low-viscosity metalic 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 asdoor handle, clip and cosmetic container cap

## Product information

Part Marking Code	> POM <		ISO 11469
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/m²	ISO 179/1eA
Thermal properties			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
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/m³	ISO 1183

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