

KEPITAL® AF-11

POM, aramid powder-filled wear-resistance

- Aaramid powder-filled wear-resistance grade for general injection molding
- Suitable for parts requiring strong friction and wear resistance, particularly in contact with other plastics

Product information

Part Marking Code	> POM-AD <	ISO 11469
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Rheological properties

Moulding shrinkage range, parallel	1.9 %	ISO 294-4, 2577
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Typical mechanical properties

Yield stress, 50mm/min	58 MPa	ISO 527-1/-2
Yield strain, 50mm/min	10 %	ISO 527-1/-2
Nominal strain at break	11 %	ISO 527-1/-2
Flexural Modulus	2700 MPa	ISO 178
Flexural Strength	83 MPa	ISO 178
Charpy notched impact strength, 23°C	4 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.378	

Thermal properties

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

Burning Behav. at thickness h	HB class	UL 94
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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	1400 kg/m ³	ISO 1183