

KEPITAL® FG2025K LOF

POM, 25% glass fiber-reinforced grade, low emission

KEPITAL® FG2025K LOF is a 25% glass fiber-reinforced grade for general injection molding.

Suitable for parts requiring extremely high strength, high stiffness, high deflection temperature, and excellent creep resistance.

Low emission grade featuring heat stability.

Product information

Part Marking Code	> POM-GF25 <	ISO 11469
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Rheological properties

Moulding shrinkage range, parallel	1.0 %	ISO 294-4, 2577
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Typical mechanical properties

Stress at break, 5mm/min	110 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3.1 %	ISO 527-1/-2
Flexural Modulus	4750 MPa	ISO 178
Flexural Strength	160 MPa	ISO 178
Charpy notched impact strength, 23°C	6.3 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Coeff. of linear therm. expansion, parallel	60 E-6/K	ISO 11359-1/-2

Flammability

Burning Behav. at thickness h	HB class	UL 94
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Electrical properties

Volume resistivity	1E12 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	1470 kg/m ³	ISO 1183