

KEPITAL® FG2025F

POM, 25% glass fiber-reinforced grade

KEPITAL® FG2025F is a 25% glass fiber-reinforced grade for general injection molding.

Features superior strength, high stiffness, high deflection temperature, and excellent creep resistance.

Suitable for applications requiring FDA certificate.

Product information

Part Marking Code

> POM-GF25 <

ISO 11469

Rheological properties

Moulding shrinkage range, parallel

0.5 %

ISO 294-4, 2577

Typical mechanical properties

Stress at break, 5mm/min

160 MPa

ISO 527-1/-2

Strain at break, 5mm/min

3 %

ISO 527-1/-2

Flexural Modulus

8250 MPa

ISO 178

Flexural Strength

220 MPa

ISO 178

Charpy notched impact strength, 23°C

8 kJ/m²

ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min

165 °C

ISO 11357-1/-3

Temp. of deflection under load, 1.8 MPa

162 °C

ISO 75-1/-2

Coeff. of linear therm. expansion, parallel

30 E-6/K

ISO 11359-1/-2

Flammability

Burning Behav. at thickness h

HB class

UL 94

Electrical properties

Volume resistivity

1E12 Ohm.m

IEC 62631-3-1

Surface resistivity

1E16 Ohm

IEC 62631-3-2

Electric strength

23 kV/mm

IEC 60243-1

Other properties

Humidity absorption, 2mm

0.2 %

Sim. to ISO 62

Density

1590 kg/m³

ISO 1183

