

KEPITAL® FG2025J

POM, 25% glass fiber-reinforced grade

KEPITAL® FG2025J 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.

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/m ²	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

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/m ³	ISO 1183