

KEPITAL® FG2020 LOF BK

POM, 20% glass fiber-reinforced, low emission

KEPITAL® FG2020 LOF BK is:

- A 20% glass fiber-reinforced grade for general injection molding (black colored)
- A low emission grade featuring improved heat stability.
- Suitable for parts requiring extremely high strength, high stiffness, high deflection temperature, and excellent creep resistance

Product information

Part Marking Code	> POM-GF20 <	ISO 11469
-------------------	--------------	-----------

Rheological properties

Moulding shrinkage range, parallel	0.6 %	ISO 294-4, 2577
------------------------------------	-------	-----------------

Typical mechanical properties

Stress at break, 5mm/min	125 MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.8 %	ISO 527-1/-2
Flexural Modulus	7400 MPa	ISO 178
Flexural Strength	165 MPa	ISO 178
Charpy notched impact strength, 23°C	6 kJ/m ²	ISO 179/1eA

Thermal properties

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

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	1540 kg/m ³	ISO 1183
