

# KEPITAL® FG2020

POM, 20% glass fiber-reinforced

KEPITAL® FG2020 is:

- A 20% 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-GF20 <

ISO 11469

## Typical mechanical properties

|                                      |                       |              |
|--------------------------------------|-----------------------|--------------|
| Stress at break, 5mm/min             | 140 MPa               | ISO 527-1/-2 |
| Strain at break, 5mm/min             | 2.5 %                 | ISO 527-1/-2 |
| Flexural Modulus                     | 7150 MPa              | ISO 178      |
| Flexural Strength                    | 195 MPa               | ISO 178      |
| Charpy notched impact strength, 23°C | 8.5 kJ/m <sup>2</sup> | 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 <sup>3</sup> | ISO 1183       |