

# KEPITAL® FG2015

Glass fiber reinforced grade

KEPITAL® FG2015 is a glass fiber reinforced grade for general injection molding.

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

## Rheological properties

Moulding shrinkage, parallel	0.9 %	ISO 294-4, 2577
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## Typical mechanical properties

Tensile Modulus	5400 MPa	ISO 527-1/-2
Stress at break, 5mm/min	120 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3 %	ISO 527-1/-2
Flexural Modulus	5200 MPa	ISO 178
Flexural Strength	175 MPa	ISO 178
Charpy notched impact strength, 23 °C	7 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30 °C	7 kJ/m <sup>2</sup>	ISO 179/1eA

## Thermal properties

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

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Density	1500 kg/m <sup>3</sup>	ISO 1183