

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 range, parallel	0.9 %	ISO 294-4, 2577
------------------------------------	-------	-----------------

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 ²	ISO 179/1eA
Charpy notched impact strength, -30°C	7 kJ/m ²	ISO 179/1eA

Thermal properties

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

Other properties

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