

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
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/m²	ISO 179/1eA
Charpy notched impact strength, -30 °C	7	kJ/m²	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/m³	ISO 1183

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