

KEPITAL[®] FG2010(FG2025K)

10% glass fiber-reinforced grade

KEPITAL® FG2010(FG2025K) is a 10% 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	1.0	%	ISO 294-4, 2577
Typical mechanical properties			
Tensile Modulus	4900	MPa	ISO 527-1/-2
Stress at break, 5mm/min	110	MPa	ISO 527-1/-2
Strain at break, 5mm/min	3.8	%	ISO 527-1/-2
Flexural Modulus	4750	MPa	ISO 178
Flexural Strength	160	MPa	ISO 178
Charpy notched impact strength, 23°C	6.5	kJ/m²	ISO 179/1eA
Poisson's ratio	0.334		
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	1470	kg/m ³	ISO 1183
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