

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 range, 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/m ²	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
