

KEPITAL® FG2025

A 25% glass fiber-reinforced grade

KEPITAL® FG2025 is a 25% 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	0.7 %	ISO 294-4, 2577
------------------------------------	-------	-----------------

Typical mechanical properties

Tensile Modulus	9000 MPa	ISO 527-1/-2
Stress at break, 5mm/min	160 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3 %	ISO 527-1/-2
Flexural Modulus	8250 MPa	ISO 178
Flexural Strength	220 MPa	ISO 178
Charpy notched impact strength, 23°C	8 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.343	

Thermal properties

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

Electrical properties

Electric strength	23 kV/mm	IEC 60243-1
-------------------	----------	-------------

Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Density	1590 kg/m ³	ISO 1183

Other Approvals

Other Approvals

OEM	Specification	Additional Information
GM	GMW17968P-POM-GF25	Natural & Black
Ford	WSS-M98P14-A3	ASN 9954