

KEPITAL® FG1025 N012

25% glass fiber-reinforced, high viscosity grade (grey color)

KEPITAL®FG1025 N012 is a 25% glass fiber-reinforced grade (a high-viscosity grade) for general injection molding (grey-colored). Suitable for parts requiring extremely high strength, high stiffness, high deflection temperature and excellent creep resistance.

Typical mechanical properties

Stress at break, 5mm/min	162 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3.2 %	ISO 527-1/-2
Flexural Modulus	8850 MPa	ISO 178
Flexural Strength	240 MPa	ISO 178
Charpy notched impact strength, 23°C	10 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	162 °C	ISO 75-1/-2

Flammability

Burning Behav. at thickness h	HB class	UL 94
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Other properties

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

Other Approvals

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OEM	Specification	Additional Information
Stellantis - PSA Group	B62 0020	POM-GF25