

KEPITAL® FB2025

25% glass bead-filled

KEPITAL® FB2025 is a 25% glass bead-filled grade for general injection molding. Suitable for parts requiring low warpage, reduced sink marks and dimensional stability.

Rheological properties

Moulding shrinkage, parallel	1.5 %	ISO 294-4, 2577
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Typical mechanical properties

Stress at break, 5mm/min	60 MPa	ISO 527-1/-2
Nominal strain at break	4 %	ISO 527-1/-2
Flexural Modulus	3500 MPa	ISO 178
Flexural Strength	93 MPa	ISO 178
Charpy notched impact strength, 23°C	2.8 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	115 °C	ISO 75-1/-2

Other properties

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