

CELANYL® B2 HH GF25 NC 1102/1

CELANYL®

Product information

Resin Identification	PA6-GF25	ISO 1043
Part Marking Code	>PA6-GF25<	ISO 11469

Typical mechanical properties

Tensile modulus	9000 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	170 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.6 %	ISO 527-1/-2
Flexural modulus	8800 MPa	ISO 178
Flexural strength	280 MPa	ISO 178
Charpy notched impact strength, 23°C	11.5 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	204 °C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	218 °C	ISO 75-1/-2

Physical/Other properties

Density	1300 kg/m ³	ISO 1183
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Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.15 %
Melt Temperature Optimum	260 °C
Min. melt temperature	240 °C
Max. melt temperature	290 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	80 °C
Min. mould temperature	60 °C
Max. mould temperature	120 °C

Characteristics

Processing	Injection Moulding
Special characteristics	Heat stabilised or stable to heat