

# CELANYL® B2 HH GF15 BK 9005/1

## CELANYL®

### Product information

Resin Identification	PA6-GF15	ISO 1043
Part Marking Code	>PA6-GF15<	ISO 11469

### Typical mechanical properties

Tensile modulus	6500 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	130 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5 %	ISO 527-1/-2
Flexural modulus	5600 MPa	ISO 178
Flexural strength	200 MPa	ISO 178
Charpy impact strength, 23°C	37 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	4.6 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.35 <sup>[C]</sup>	

[C]: Calculated

### Thermal properties

Temperature of deflection under load, 1.8 MPa	199 °C	ISO 75-1/-2
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### Physical/Other properties

Density	1240 kg/m <sup>3</sup>	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

### Automotive

OEM	STANDARD
Mercedes-Benz	DBL5409