

# CELANYL® B2 HH GF30 BK 9005/1

## CELANYL®

### Product information

Resin Identification	PA6-GF30	ISO 1043
Part Marking Code	>PA6-GF30<	ISO 11469

### Typical mechanical properties

	dry/cond.		
Tensile modulus	10000/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	160/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3/-	%	ISO 527-1/-2
Flexural modulus	9000/-	MPa	ISO 178
Flexural strength	250/-	MPa	ISO 178
Charpy notched impact strength, 23°C	9/-	kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.34/- <sup>[C]</sup>		

[C]: Calculated

### Thermal properties

	dry/cond.		
Temperature of deflection under load, 1.8 MPa	205/*	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	220/*	°C	ISO 75-1/-2

### Physical/Other properties

	dry/cond.		
Density	1360/-	kg/m <sup>3</sup>	ISO 1183

### 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