

CELANYL® B2 H GF50 BK 2000/UV/1

CELANYL®

Product information

Resin Identification	PA6-GF50	ISO 1043
Part Marking Code	>PA6-GF50<	ISO 11469

Rheological properties

	dry/cond.		
Moulding shrinkage, parallel	0.4 / -	%	ISO 294-4, 2577
Moulding shrinkage, normal	0.6 / -	%	ISO 294-4, 2577

Typical mechanical properties

	dry/cond.		
Izod notched impact strength, 23°C	16 / -	kJ/m ²	ISO 180/1A

Thermal properties

	dry/cond.		
Temperature of deflection under load, 1.8 MPa	213 / *	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	218 / *	°C	ISO 75-1/-2

Physical/Other properties

	dry/cond.		
Density	1560 / -	kg/m ³	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	U.V. stabilised or stable to weather, Heat stabilised or stable to heat