

# CELANYL® A3 BK 6600/UV/1

## CELANYL®

### Product information

Resin Identification	PA66	ISO 1043
Part Marking Code	>PA66<	ISO 11469

### Typical mechanical properties

Izod notched impact strength, 23 °C	8 kJ/m <sup>2</sup>	ISO 180/1A
Ball indentation hardness, H 961/30	150 MPa	ISO 2039-1

### Thermal properties

Temperature of deflection under load, 1.8 MPa	66 °C	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	100 E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	110 E-6/K	ISO 11359-1/-2

### Physical/Other properties

Density	1140 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	290 °C
Min. melt temperature	280 °C
Max. melt temperature	300 °C
Screw tangential speed	≤0.4 m/s
Mold Temperature Optimum	70 °C
Min. mould temperature	50 °C
Max. mould temperature	90 °C

### Characteristics

Processing	Injection Moulding
Special characteristics	U.V. stabilised or stable to weather, Low wear / Low friction