



# 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/m²	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	100 E-6/K	ISO 11359-1/-2
(CLTE), parallel		
Coefficient of linear thermal expansion (CLTE),	110 E-6/K	ISO 11359-1/-2
normal		

## 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

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