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	3.81	ftlb/in²	ISO 180/1A
Ball indentation hardness, H 961/30	21800	psi	ISO 2039-1

Thermal properties

Temperature of deflection under load, 1.8 MPa	151	°F	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	0.56	E-4/°F	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	0.611	E-4/°F	ISO 11359-1/-2

Physical/Other properties

Density	0.0412	lb/in³	ISO 1183

Injection

Drying Recommended	yes	
Drying Temperature	176	°F
Drying Time, Dehumidified Dryer	2 - 4	h
Processing Moisture Content	≤0.15	%
Melt Temperature Optimum	554	°F
Min. melt temperature	536	°F
Max. melt temperature	572	°F
Max. screw tangential speed	≤0.4	m/s
Mold Temperature Optimum	158	°F
Min. mold temperature	122	°F
Max. mold temperature	194	°F

Characteristics

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

Revised: 2025-03-05 Source: Celanese Materials Database

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