CELANYL® A3 H J20 BK 2000/UV/1

CELANYL®

Product information

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

Typical mechanical properties

	dry/cond.		
Charpy notched impact strength, 23 °C	38.1 / -	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23 °C	45.4 / -	ftlb/in²	ISO 180/1A

Thermal properties

	dry/cond.		
Temperature of deflection under load, 1.8 MPa	160 / *	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	421 / *	°F	ISO 75-1/-2

Flammability

	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	HB / *	class	IEC 60695-11-10
Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.0315 / *	in	IEC 60695-11-10

Physical/Other properties

	dry/cond.		
Density	0.039 / -	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	≤0.3	m/s
Mold Temperature Optimum	176	°F
Min. mold temperature	122	°F
Max. mold temperature	212	°F

Characteristics

Processing	Injection Molding
Special characteristics	High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Revised: 2024-01-23 Source: Celanese Materials Database

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