CELANYL® A3 W J20 NC 1102/1A

CELANYL®

Product information

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

Typical mechanical properties

Tensile modulus	276000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	7300	psi	ISO 527-1/-2
Tensile strain at break, 50mm/min	40	%	ISO 527-1/-2
Flexural modulus	261000	psi	ISO 178
Flexural strength	9430	psi	ISO 178
Charpy notched impact strength, 23°C	38.1	ftlb/in²	ISO 179/1eA

Physical/Other properties

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	Heat stabilized or stable to heat

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

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