CELANYL® A2 HH GF50 NC 1102/1

CELANYL®

Product information

Resin Identification	PA66-GF50	ISO 1043
Part Marking Code	>PA66-GF50<	ISO 11469

Typical mechanical properties

	dry/cond.		
Tensile modulus	2.73E6 / -	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	39900 / -	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.8 / -	%	ISO 527-1/-2
Flexural modulus	2.34E6 / -	psi	ISO 178
Flexural strength	58000 / -	psi	ISO 178
Charpy impact strength, 23 °C	57.1 / -	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23 °C	9.28 / -	ftlb/in²	ISO 179/1eA

Physical/Other properties

	dry/cond.		
Density	0.0567 / -	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	563	°F
Min. melt temperature	545	°F
Max. melt temperature	581	°F
Max. screw tangential speed	≤0.2	m/s
Mold Temperature Optimum	212	°F
Min. mold temperature	158	°F
Max. mold temperature	248	°F

Characteristics

Processing	Injection Molding
Special characteristics	Heat stabilized or stable to heat

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

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