CELANYL® A2 HH GF20 NC 1102/1

CELANYL®

Product information

Resin Identification	PA66-GF20	ISO 1043
Part Marking Code	>PA66-GF20<	ISO 11469

Typical mechanical properties

	dry/cond.		
Tensile modulus	1.2E6 / -	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	23200 / -	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.9 / -	%	ISO 527-1/-2
Flexural modulus	1.04E6 / -	psi	ISO 178
Flexural strength	34100 / -	psi	ISO 178
Izod notched impact strength, 23 °C	3.71 / -	ftlb/in²	ISO 180/1A

Thermal properties

	dry/cond.		
Temperature of deflection under load, 1.8 MPa	478 / *	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	504 / *	°F	ISO 75-1/-2

Physical/Other properties

	dry/cond.		
Density	0.0466 / -	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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