CELANYL® A2 GF15 BK 9005/1

CELANYL®

Product information

Resin Identification	PA66-GF15	ISO 1043
Part Marking Code	>PA66-GF15<	ISO 11469

Typical mechanical properties

	dry/cond.		
Tensile modulus	928000 / -	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	16700 / -	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5 / -	%	ISO 527-1/-2
Charpy notched impact strength, 23 °C	1.66 / -	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23 °C	3.04 / -	ftlb/in²	ISO 180/1A

Thermal properties

	dry/cond.		
Temperature of deflection under load, 1.8 MPa	469 / *	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	500 / *	°F	ISO 75-1/-2

Physical/Other properties

	dry/cond.		
Density	0.0451 / -	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

Revised: 2024-07-12 Source: Celanese Materials Database

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