CELANYL® A2 HH GF33 BK 9005/1A

CELANYL®

Product information

Resin Identification	PA66-GF33	ISO 1043
Part Marking Code	>PA66-GF33<	ISO 11469

Typical mechanical properties

	dry/cond.		
Tensile modulus	1.77E6 / -	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	26800 / -	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.3 / -	%	ISO 527-1/-2
Flexural modulus	1.57E6 / -	psi	ISO 178
Flexural strength	39900 / -	psi	ISO 178
Charpy notched impact strength, 23 °C	5.47 / -	ftlb/in²	ISO 179/1eA

Thermal properties

	dry/cond.		
Temperature of deflection under load, 1.8 MPa	482 / *	°F	ISO 75-1/-2

Physical/Other properties

	dry/cond.		
Density	0.0502 / -	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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