CELANYL® A3 H GB30 NC 1101

CELANYL®

General purpose grade for any technical application that require good surface quality, dimensional stability and low warpage.

Product information

Resin Identification	PA66-GB30	ISO 1043
Part Marking Code	>PA66-GB30<	ISO 11469

Rheological properties

	dry/cond.		
Viscosity number	3880 / *	in³/lb	ISO 307, 1628

Typical mechanical properties

	dry/cond.		
Tensile modulus	638000 / -	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	11600 / -	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	3 / -	%	ISO 527-1/-2
Charpy impact strength, 23°C	9.51 / -	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	0.951 / -	ftlb/in²	ISO 179/1eA

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	500 / *	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	201 / *	°F	ISO 75-1/-2

Physical/Other properties

	dry/cond.		
Density	0.0484 / -	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, Hydrolysis resistant, High Flow, Low Warpage

Revised: 2024-08-16 Source: Celanese Materials Database

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