

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	140 / *	cm ³ /g	ISO 307, 1628

Typical mechanical properties

	dry/cond.		
Tensile modulus	4400 / -	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	80 / -	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3 / -	%	ISO 527-1/-2
Charpy impact strength, 23°C	20 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	2 / -	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.36 / - ^[C]		
[C]: Calculated			

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	94 / *	°C	ISO 75-1/-2

Physical/Other properties

	dry/cond.		
Density	1340 / -	kg/m ³	ISO 1183

Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.15 %
Melt Temperature Optimum	295 °C
Min. melt temperature	285 °C
Max. melt temperature	305 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	100 °C
Min. mould temperature	70 °C
Max. mould temperature	120 °C

Characteristics

Processing	Injection Moulding
Delivery form	Granules
Special characteristics	Heat stabilised or stable to heat, Hydrolysis resistant, High Flow, Low Warpage

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Printed: 2025-05-29

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

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