



CELANYL® A3 H GF30 NC 1102/2

CELANYL®

Designed for technical application requiring medium term heat resistance, good surface quality and mechanical performances.

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Resin Identification Part Marking Code	PA66-GF30 >PA66-GF30<		ISO 1043 ISO 11469
Rheological properties			
Moulding shrinkage range, parallel Moulding shrinkage range, normal	0.3 - 0.6 0.6 - 0.9		ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus Tensile stress at break, 5mm/min Tensile strain at break, 5mm/min Flexural modulus Charpy impact strength, 23°C Izod notched impact strength, 23°C Poisson's ratio [C]: Calculated	9500/- 190/- 3.5/- 8800/- 85/- 12/- 0.34/- ^[C]	MPa MPa % MPa kJ/m² kJ/m²	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 179/1eU ISO 180/1A
Thermal properties	dry/cond.		
Melting temperature, 10°C/min Temperature of deflection under load, 1.8 MPa Temperature of deflection under load, 0.45 MPa	265/* 250/* 260/*	°C °C	ISO 11357-1/-3 ISO 75-1/-2 ISO 75-1/-2
Flammability	dry/cond.		
Burning Behav. at thickness h Thickness tested	HB/* 0.8/*	class mm	IEC 60695-11-10 IEC 60695-11-10
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm Water absorption, 2mm Density	1.7/* 5.9/* 1360/-	% % kg/m³	Sim. to ISO 62 Sim. to ISO 62 ISO 1183

Injection

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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

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





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Max. mould temperature 120 °C

Characteristics

Processing Injection Moulding

Delivery form Granules

Special characteristics Heat stabilised or stable to heat

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