



CELANYL® A3 WHH GF30 GY 7035/2 **CELANYL®**

Suitable for any technical application.

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Resin Identification Part Marking Code Continuous Service Temperature	PA66-GF30 >PA66-GF30< 120	°C	ISO 1043 ISO 11469 IEC 60216-1
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 Flexural strength Charpy impact strength, 23°C Izod notched impact strength, 23°C Poisson's ratio [C]: Calculated	9550/- 172/- 2.8/- 8800/- 280/- 70/- 8.5/- 0.34/- ^[C]	MPa MPa % MPa MPa kJ/m² kJ/m²	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 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/* 245/* 250/*	°C °C °C	ISO 11357-1/-3 ISO 75-1/-2 ISO 75-1/-2
Flammability	dry/cond.		
Burning Behav. at 1.5mm nom. thickn. Thickness tested UL recognition Burning Behav. at thickness h Thickness tested UL recognition	HB/* 1.5/* yes/* HB/* 3/* yes/*	class mm class mm	IEC 60695-11-10 IEC 60695-11-10 UL 94 IEC 60695-11-10 IEC 60695-11-10 UL 94
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm Water absorption, 2mm Density	1.6/* 5.8/* 1370/-	% % kg/m³	Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Injection			
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content	yes 80 2 - 4 ≤0.15		

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≤0.15 % 295 °C

Revised: 2025-02-14 Source: Celanese Materials Database

Melt Temperature Optimum





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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

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