



## CELANYL® A3 HH GF30 BK 9005/F CELANYL®

Car industry, Household appliances, Electrical devices.

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Resin Identification Part Marking Code	PA66-GF30 >PA66-GF30<		ISO 1043 ISO 11469
Rheological properties	dry/cond.		
Melt volume-flow rate Temperature Load	40/* 270/* 5/*	cm³/10min ° C kg	ISO 1133
Viscosity number Moulding shrinkage, parallel Moulding shrinkage, normal	135/* 0.2/- 0.8/-	cm³/g % %	ISO 307, 1628 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 Charpy impact strength, 23°C Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Izod notched impact strength, 23°C Izod impact strength, 23°C Poisson's ratio [C]: Calculated	9100/- 175/- 3.5/- 75/- 10.5/- 11/- 10/- 65/- 0.34/- <sup>[C]</sup>	MPa MPa % kJ/m² kJ/m² kJ/m² kJ/m²	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 179/1eU ISO 179/1eA ISO 180/1A ISO 180/1U
Thermal properties	dry/cond.		
Temperature of deflection under load, 1.8 MPa	250/*	°C	ISO 75-1/-2
Physical/Other properties	dry/cond.		
Density	1350/-	kg/m³	ISO 1183
Injection			
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature Max. melt temperature Screw tangential speed	yes 80 °C 2 - 4 h ≤0.15 % 295 °C 285 °C 305 °C ≤0.2 m/s		

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100 °C

70 °C 120 °C

202 °C

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

Mold Temperature Optimum

Min. mould temperature

Max. mould temperature

Ejection temperature

(+) 18816996168 Ponciplastics.com



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## Characteristics

Processing Injection Moulding

Special characteristics Heat stabilised or stable to heat, Specialty appearance, High Flow

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NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colourants or other additives may cause significant variations in data values. Properties of moulded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Other than those products expressly identified as medical grade (including by MT® product designation or otherwise), Celanese's products are not intended for use in medical or dental implants. Regardless of any such product designation, any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. The information contained in this publication should not be construed as a promise or guarantee of specific properties of our products. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been mentioned in this publication, we neither suggest nor guarantee that such hazards are the only ones that exist. We recommend that persons intending to rely on any recommendation or to use any e

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