



ISO 294-4, 2577

# CELANYL® A2 HH GF30 BK 9005/2C CELANYL®

Designed for technical application requiring long term heat resistance.

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Resin Identification	PA66-GF30	ISO 1043
Part Marking Code	>PA66-GF30<	ISO 11469
Continuous Service Temperature	130 °C	IEC 60216-1
Rheological properties		
Moulding shrinkage range, parallel	0.3 - 0.6 %	ISO 294-4, 2577

0.6 - 0.9 %

dry/cond.

### Typical mechanical properties

Moulding shrinkage range, normal

Tensile modulus	9600/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	180/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.8/-	%	ISO 527-1/-2
Flexural modulus	8500/-	MPa	ISO 178
Flexural strength	300/-	MPa	ISO 178
Izod notched impact strength, 23°C	8/-	kJ/m²	ISO 180/1A
Poisson's ratio	0.34/- <sup>[C]</sup>		

#### [C]: Calculated

Thermal properties	dry/cond.
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Melting temperature, 10°C/min	265/* °C	ISO 11357-1/-3

#### Flammability dry/cond.

	Burning Behav. at 1.5mm nom. thickn.	HB/* class	IEC 60695-11-10
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#### Physical/Other properties dry/cond.

Humidity absorption, 2mm	1.6/*	%	Sim. to ISO 62
Water absorption, 2mm	5.7/*	%	Sim. to ISO 62
Density	1360/-	kg/m <sup>3</sup>	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

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





## CELANYL® A2 HH GF30 BK 9005/2C CELANYL®

#### Characteristics

Processing Injection Moulding

Delivery form Granules

Special characteristics Heat stabilised or stable to heat

**Automotive** 

OEM STANDARD ADDITIONAL INFORMATION

Stellantis B62 0300 / 61/U4/AD1/W1/214M-215E/13/C1 01378\_15\_01900

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