

CELANYL® A2 HH GF30 BK 9005/2C

CELANYL®

Designed for technical application requiring long term heat resistance.

Product information

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
Moulding shrinkage range, normal	0.6 - 0.9 %	ISO 294-4, 2577

Typical mechanical properties

	dry/cond.		
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/m ²	ISO 180/1A
Poisson's ratio	0.34 /- ^[C]		
[C]: Calculated			

Thermal properties

	dry/cond.		
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

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 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

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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