

# CELANYL® A3 GF30 BK 9005/A

## CELANYL®

General purpose grade, suitable for any technical use.

### Product information

Resin Identification	PA66-GF30	ISO 1043
Part Marking Code	>PA66-GF30<	ISO 11469

### Rheological properties

	dry/cond.		
Melt volume-flow rate	30/*	cm <sup>3</sup> /10min	ISO 1133
Temperature	270/*	°C	
Load	5/*	kg	

### Typical mechanical properties

	dry/cond.		
Tensile modulus	9800/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	175/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5/-	%	ISO 527-1/-2
Charpy impact strength, 23°C	70/-	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	9/-	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23°C	10/-	kJ/m <sup>2</sup>	ISO 180/1A
Izod impact strength, 23°C	55/-	kJ/m <sup>2</sup>	ISO 180/1U
Poisson's ratio	0.34/- <sup>[C]</sup>		

[C]: Calculated

### Flammability

	dry/cond.		
Burning Behav. at thickness h	HB/*	class	IEC 60695-11-10
Thickness tested	0.8/*	mm	IEC 60695-11-10
UL recognition	yes/*		UL 94

### 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

### Characteristics

Processing	Injection Moulding
Delivery form	Granules