

# CELANYL® A3 HH GCF2010 BK 9005/1

## CELANYL®

### Product information

Resin Identification	PA66-(CF+GF)3 0	ISO 1043
Part Marking Code	>PA66-(CF+GF)30<	ISO 11469

### Typical mechanical properties

	dry/cond.		
Tensile modulus	14600/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	210/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.3/-	%	ISO 527-1/-2
Flexural modulus	13800/-	MPa	ISO 178
Flexural strength	300/-	MPa	ISO 178
Charpy impact strength, 23°C	65.7/-	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	8/-	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	56.4/-	kJ/m <sup>2</sup>	ISO 180/1U
Poisson's ratio	0.33/- <sup>[C]</sup>		

[C]: Calculated

### Thermal properties

Thermal conductivity, flow	1.46	W/(m K)	ISO 22007-2
Thermal conductivity, crossflow	0.82	W/(m K)	ISO 22007-2
Thermal conductivity, through plane	0.65	W/(m K)	ISO 22007-2

### Physical/Other properties

	dry/cond.		
Density	1330/-	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

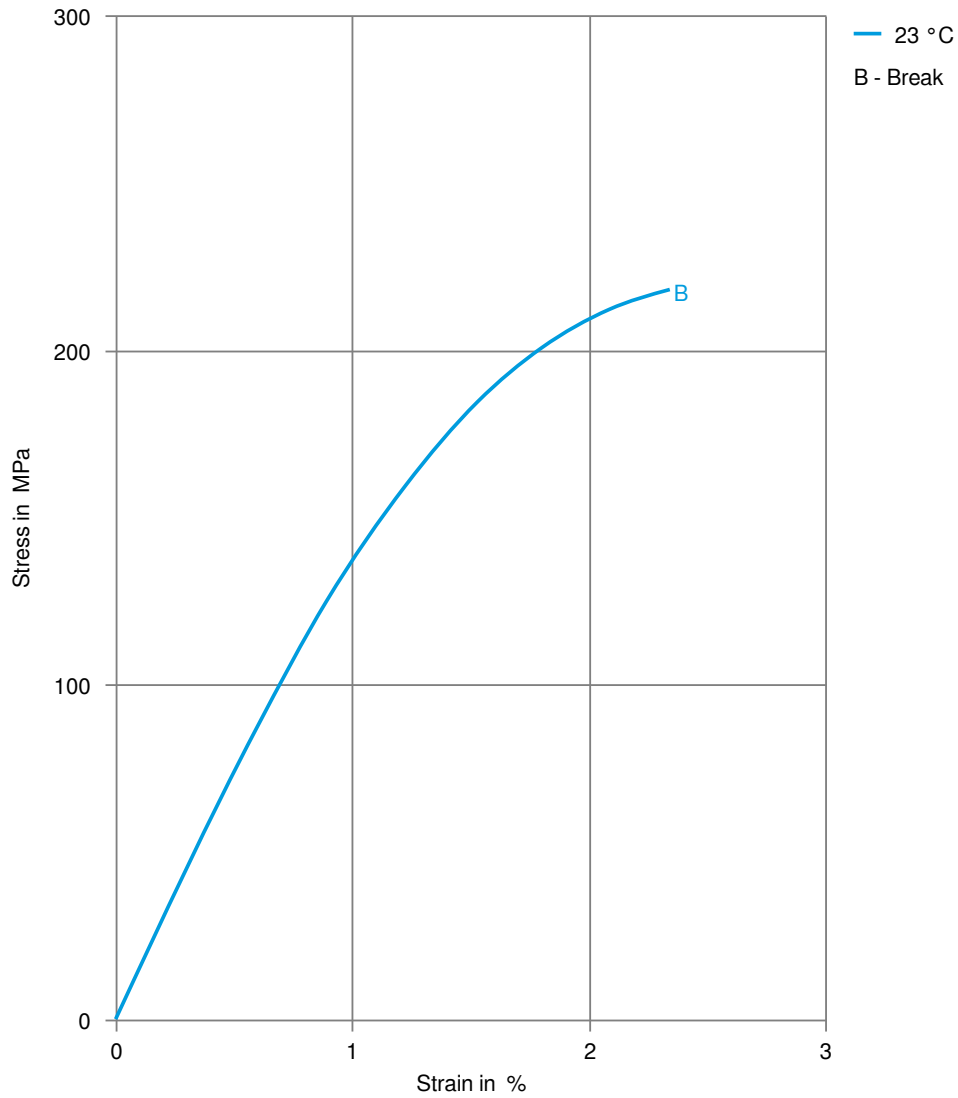
### Characteristics

Processing	Injection Moulding
Special characteristics	Static dissipative, Heat stabilised or stable to heat, Laser Markable

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### Stress-strain (dry)



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### Secant modulus-strain (dry)

