

CELANYL® B3 HH J8 GF33 BK 9005/1

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Product information

Resin Identification	PA6-GF33	ISO 1043
Part Marking Code	>PA6-GF33<	ISO 11469

Typical mechanical properties

	dry/cond.		
Tensile modulus	9700/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	140/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.1/-	%	ISO 527-1/-2
Flexural modulus	9200/-	MPa	ISO 178
Flexural strength	240/-	MPa	ISO 178
Charpy impact strength, 23°C	80/-	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	84/-	kJ/m ²	ISO 179/1eU
Charpy impact strength, -40°C	86/-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	21/-	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	12/-	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -40°C	12/-	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34/- ^[C]		

[C]: Calculated

Physical/Other properties

	dry/cond.		
Density	1350/-	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	260 °C
Min. melt temperature	240 °C
Max. melt temperature	290 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	80 °C
Min. mould temperature	60 °C
Max. mould temperature	120 °C

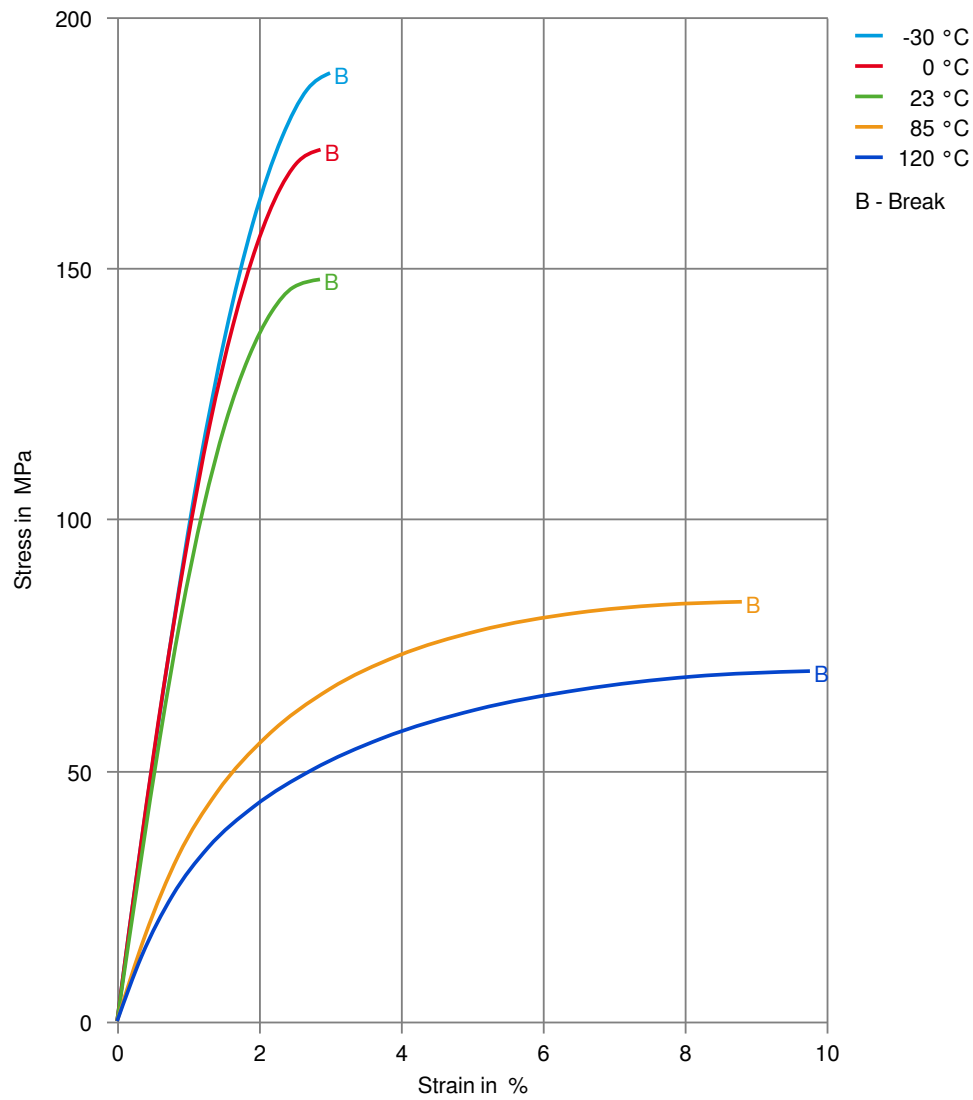
Characteristics

Processing	Injection Moulding
Special characteristics	High impact or impact modified, Heat stabilised or stable to heat

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Stress-strain



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Secant modulus-strain

