

# CELANYL® B3 HH MGF2515 BK 9005/1A

## CELANYL®

### Product information

Resin Identification	PA6-(GF+MD)4 0	ISO 1043
Part Marking Code	>PA6-(GF+MD)40<	ISO 11469

### Typical mechanical properties

	dry/cond.		
Tensile modulus	10300/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	120/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.2/-	%	ISO 527-1/-2
Flexural modulus	9760/-	MPa	ISO 178
Flexural strength	190/-	MPa	ISO 178
Charpy impact strength, 23°C	42/-	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	6/-	kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.4/-		

### Thermal properties

Thermal conductivity, flow	0.76 W/(m K)	ISO 22007-2
Thermal conductivity, crossflow	0.67 W/(m K)	ISO 22007-2
Thermal conductivity, through plane	0.62 W/(m K)	ISO 22007-2

### Physical/Other properties

	dry/cond.		
Density	1480/-	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	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	Heat stabilised or stable to heat, Low Warpage

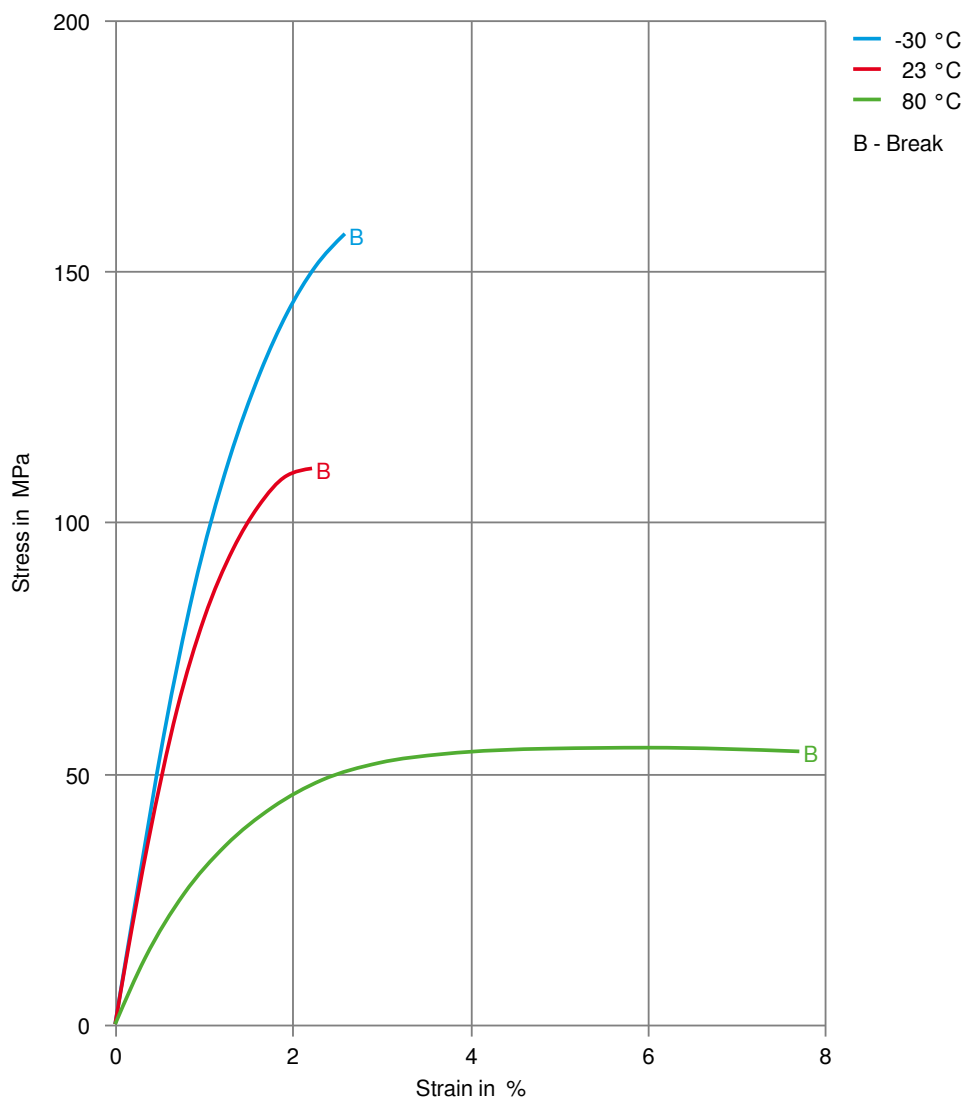
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### Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
VW Group	VW 50125	*Best Fitting Grade To PA6-13, Not Officially Approved
VW Group	VW 50134	*Best Fitting Grade To PA6-5-A, Not Officially Approved

### Stress-strain (dry)



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### Secant modulus-strain (dry)

