

CELANYL® B3 HH MGF2515 BK 9005/1A

Typical mechanical properties

	dry/cond.		
Tensile Modulus	10270 / -	MPa	ISO 527-1/-2
Stress at break, 5mm/min	120 / -	MPa	ISO 527-1/-2
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 ²	ISO 179/1eU
Charpy notched impact strength, 23°C	6 / -	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.4		

Thermal properties

Thermal conductivity in plane, in flow	0.76 W/(m K)	ASTM E 1461
Thermal conductivity in plane, cross flow	0.67 W/(m K)	ASTM E 1461
Thermal conductivity through plane	0.62 W/(m K)	ASTM E 1461

Other properties

Density	1480 kg/m ³	ISO 1183
---------	------------------------	----------

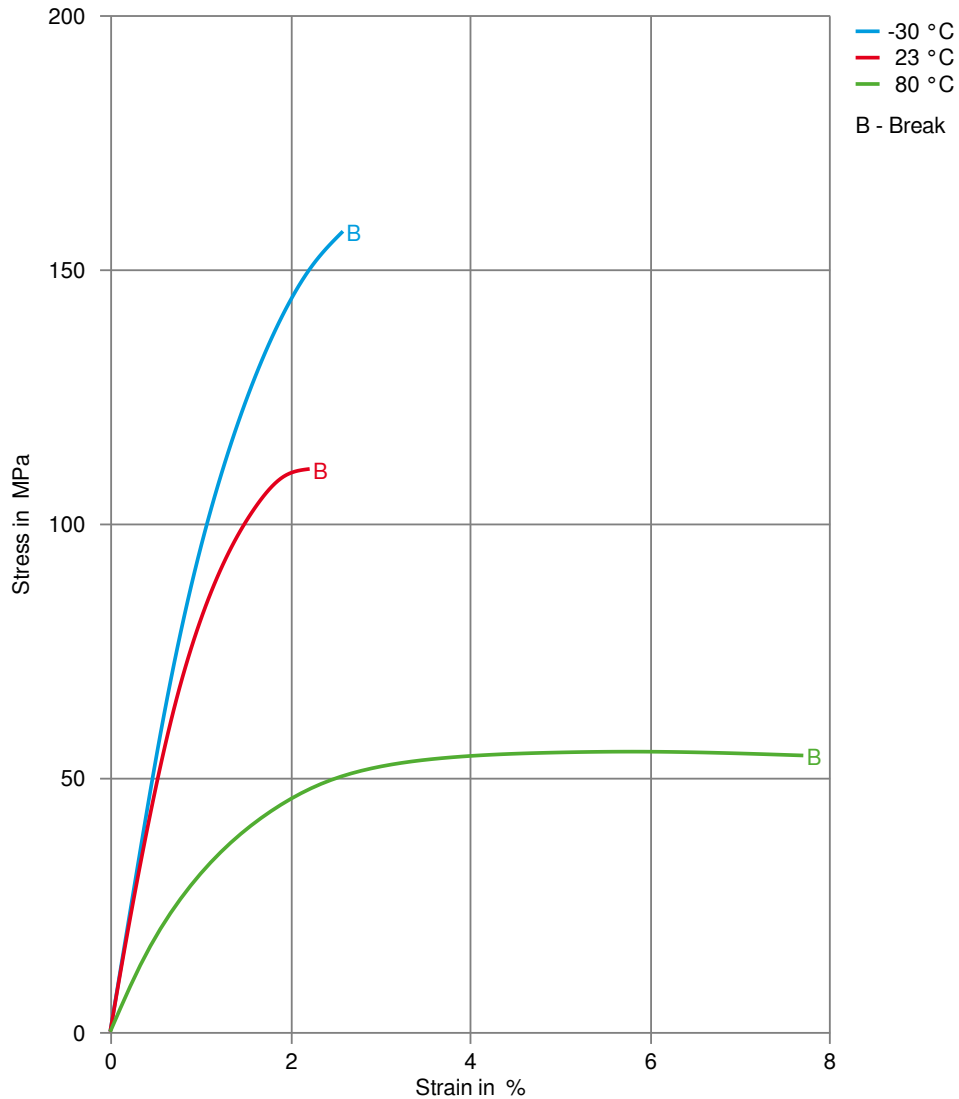
Injection

Drying Temperature	80 - 90 °C
Drying Time, Dehumidified Dryer	4 - 8 h
Processing Moisture Content	0.15 %
Max. mould temperature	60 - 80 °C



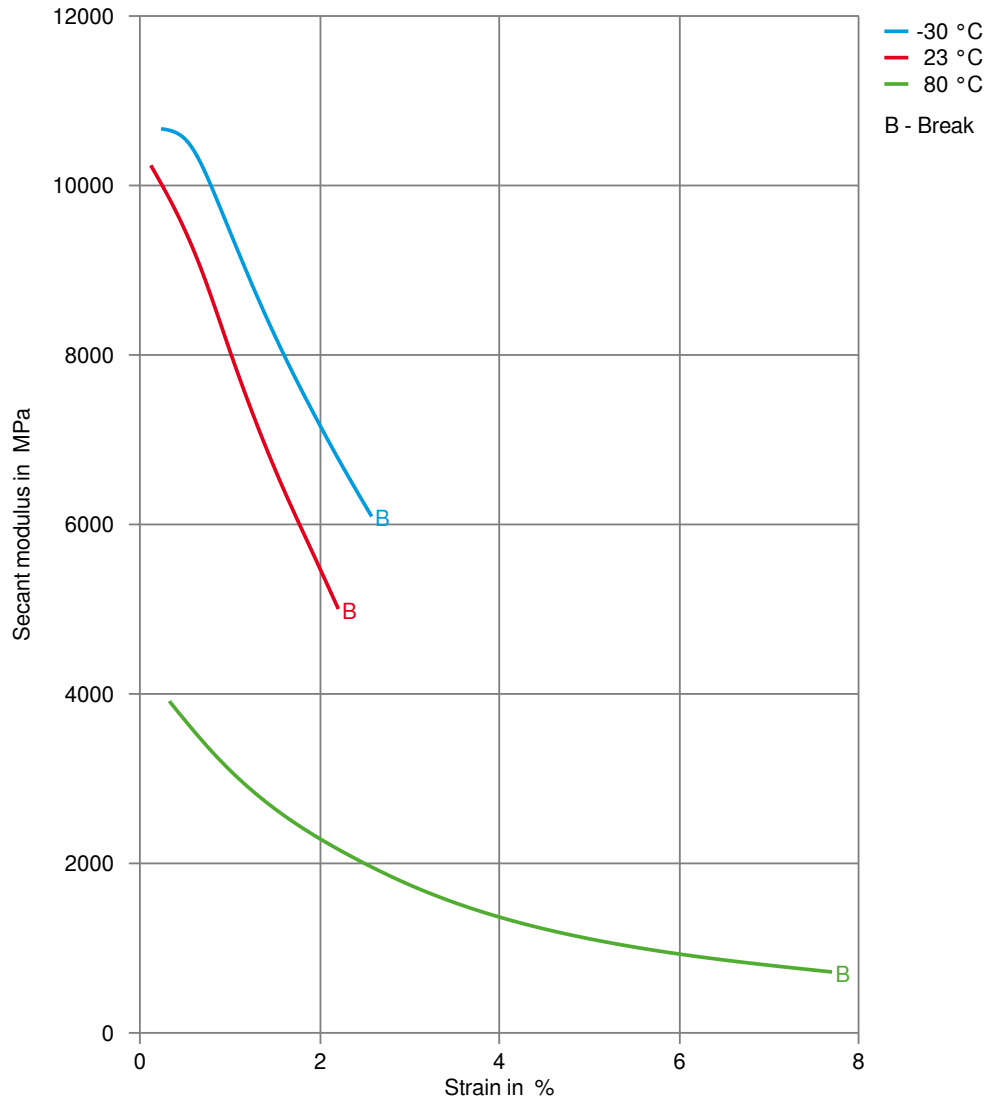
CELANYL® B3 HH MGF2515 BK 9005/1A

Stress-strain (dry)



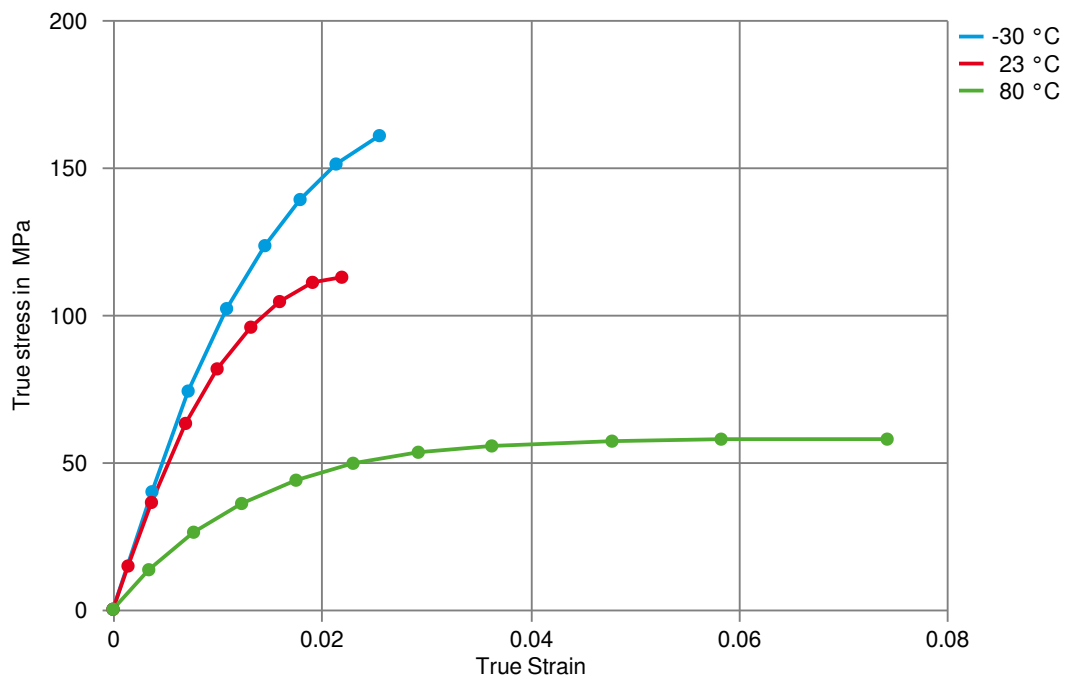
CELANYL® B3 HH MGF2515 BK 9005/1A

Secant modulus-strain (dry)



CELANYL® B3 HH MGF2515 BK 9005/1A

True stress-strain (dry)



CELANYL® B3 HH MGF2515 BK 9005/1A

Other Approvals

Other Approvals

OEM	Specification	Additional Information
VW Group*	VW50125	* best fitting grade to PA6-13, not officially approved
VW Group*	VW50134	* best fitting grade to PA6-5-A, not officially approved

