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Resin Identification Part Marking Code	PA66-LGF50 >PA66-LGF50<		ISO 1043 ISO 11469
Typical mechanical properties	dry/cond.		
Tensile modulus	16800/14000	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	240/183	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.6/1.8	%	ISO 527-1/-2
Flexural modulus	14800/12200	MPa	ISO 178
Flexural strength	380/290	MPa	ISO 178
Charpy impact strength, 23°C	74/81	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	76/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	40/32	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	47/-	kJ/m²	ISO 179/1eA
Poisson's ratio	0.33/- <sup>[C]</sup>		
[C]: Calculated			
Thermal properties	dry/cond.		
Temperature of deflection under load, 1.8 MPa	261/*	°C	ISO 75-1/-2
Temperature of deflection under load, 8 MPa	245/*	°C	ISO 75-1/-2
Coefficient of linear thermal expansion	18/*	E-6/K	ISO 11359-1/-2
(CLTE), parallel			
Coefficient of linear thermal expansion (CLTE),	71/*	E-6/K	ISO 11359-1/-2
normal			
Physical/Other properties	dry/cond.		
Density	1570/-	kg/m³	ISO 1183
Injection			
Drying Recommended	yes		
Drying Temperature		°C	
Drying Time, Dehumidified Dryer	2 - 4	h	
Processing Moisture Content	≤0.2	%	
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	
sar iii	70	^ ^	

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70 °C 120 °C

3 MPa

225 °C

50 - 100 MPa

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Min. mould temperature

Max. mould temperature Hold pressure range

Ejection temperature

Back pressure





#### Characteristics

Processing Injection Moulding

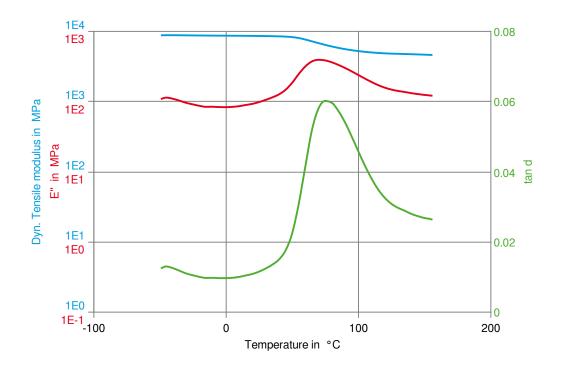
Delivery form Pellets

Special characteristics Heat stabilised or stable to heat

#### **Automotive**

OEM STANDARD Ford WSB-M4D679-A

### Dynamic Tensile modulus-temperature (dry)



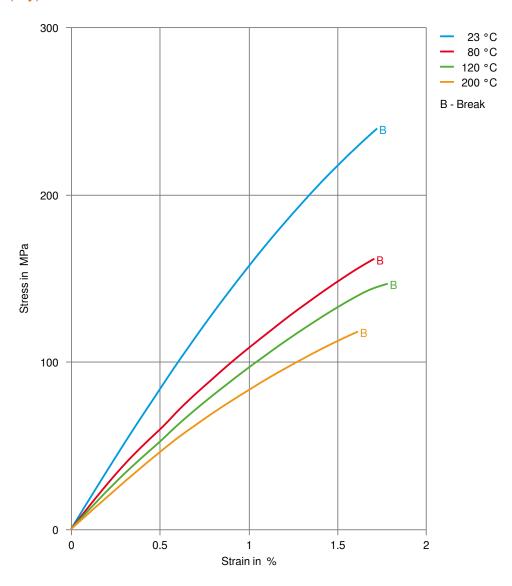
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### Stress-strain (dry)

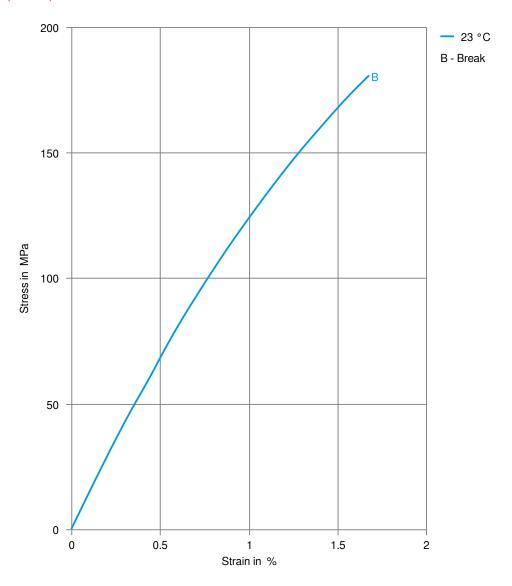


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### Stress-strain (cond.)

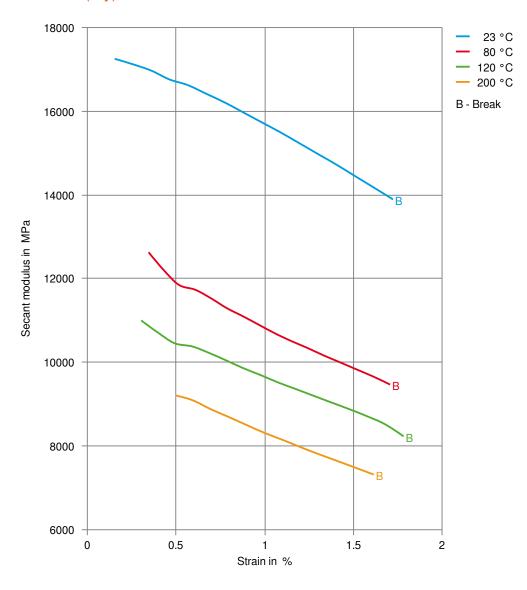


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#### Secant modulus-strain (dry)

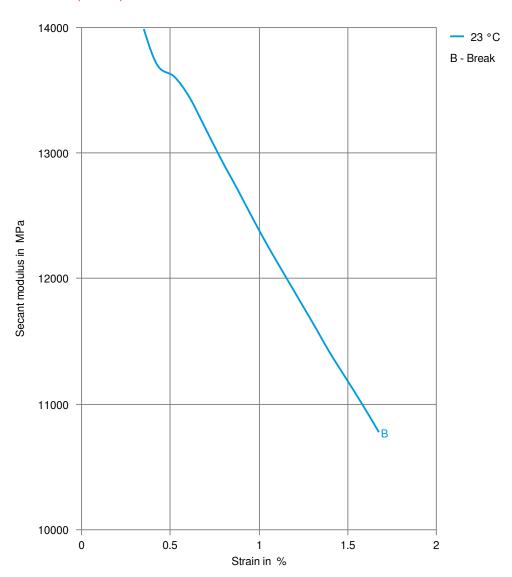


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#### Secant modulus-strain (cond.)



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