

HOSTAFORM® LW90BSX

low wear, including for POM/POM pairings, contains silicone oil

Hostaform® LW90BSX is a specialty low wear grade of acetal copolymer designed for a wide range of tribological applications, including POM/POM pairings. This grade's low wear system includes silicone oil.

Rheological properties

Melt volume-flow rate	7 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

Typical mechanical properties

Tensile Modulus	2350 MPa	ISO 527-1/-2
Yield stress, 50mm/min	51 MPa	ISO 527-1/-2
Yield strain, 50mm/min	15 %	ISO 527-1/-2
Nominal strain at break	35 %	ISO 527-1/-2
Flexural Modulus	2250 MPa	ISO 178
Charpy impact strength, 23°C	85 kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	75 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	5.5 kJ/m ²	ISO 179/1eA
Ball indentation hardness, H 358/30	120 MPa	ISO 2039-1

Thermal properties

Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	90 °C	ISO 75-1/-2

Other properties

Density	1370 kg/m ³	ISO 1183
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Injection

Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Processing Moisture Content	0.15 %
Screw tangential speed	0.2 - 0.21 m/s
Max. mould temperature	80 - 120 °C
Back pressure	4 MPa
Injection speed	slow

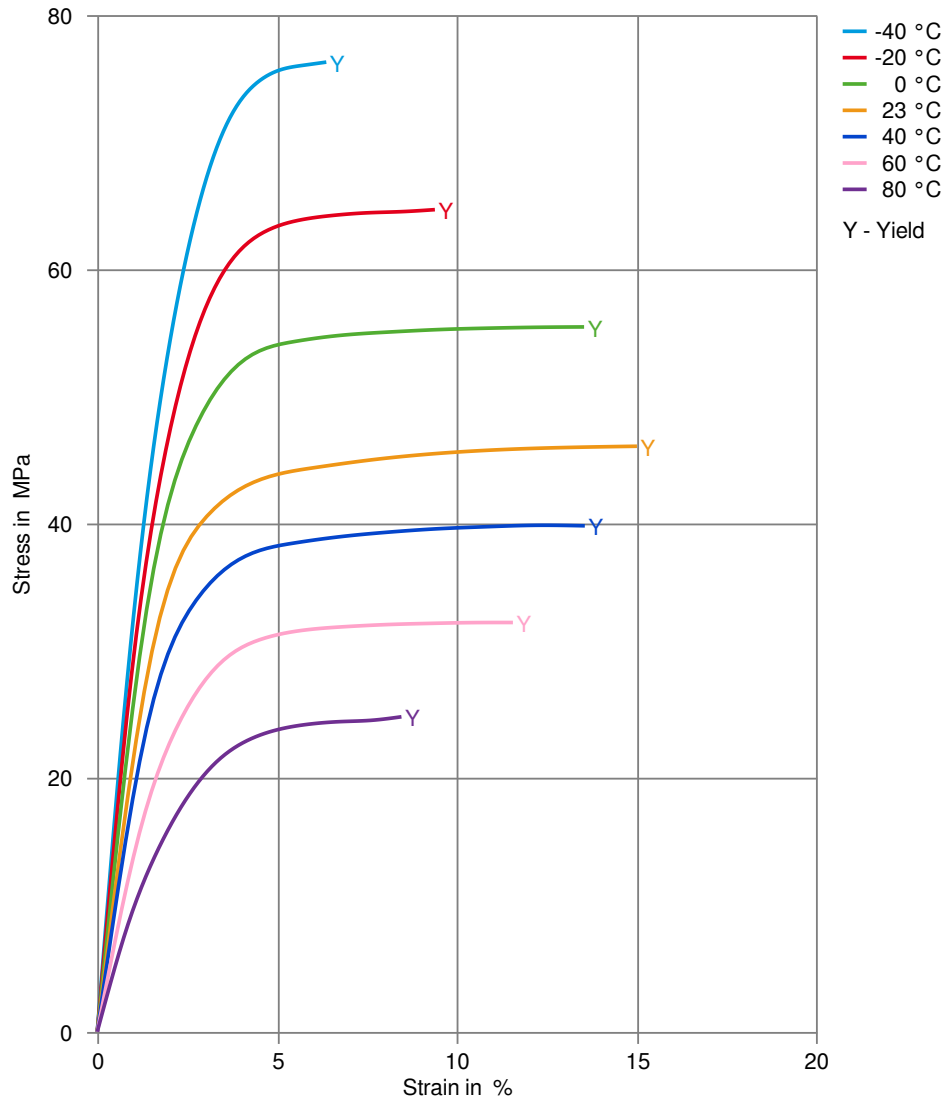
Characteristics

Additives	Release agent
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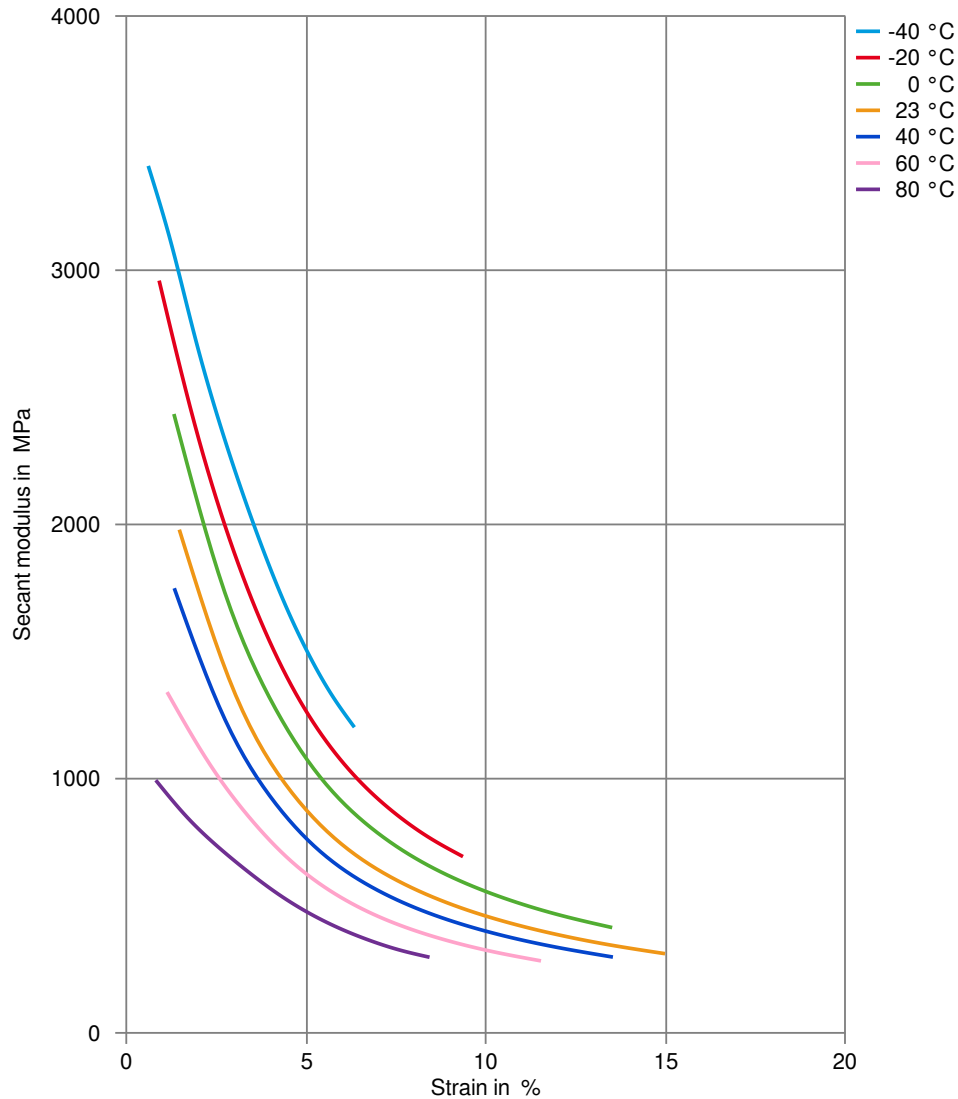
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Stress-strain



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Secant modulus-strain



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Processing Texts

Longer pre-drying times/storage

The product can then be stored in standard conditions until processed.

