

HOSTAFORM® LW90EWX

low wear grade for wear against other thermoplastics

Hostaform® LW90EWX is a specialty low wear grade of acetal copolymer designed for improved performance including when paired against other thermoplastic resins (PBT, PA, PC, PMMA) or steel. Due to the special wax blend the material has a good weld line strength.

Rheological properties

Melt volume-flow rate	9.5 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

Typical mechanical properties

Tensile Modulus	2800 MPa	ISO 527-1/-2
Yield stress, 50mm/min	61 MPa	ISO 527-1/-2
Yield strain, 50mm/min	8 %	ISO 527-1/-2
Nominal strain at break	28 %	ISO 527-1/-2
Charpy impact strength, 23°C	180 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	6.5 kJ/m ²	ISO 179/1eA
Ball indentation hardness, H 358/30	135 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	92 °C	ISO 75-1/-2

Other properties

Density	1400 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

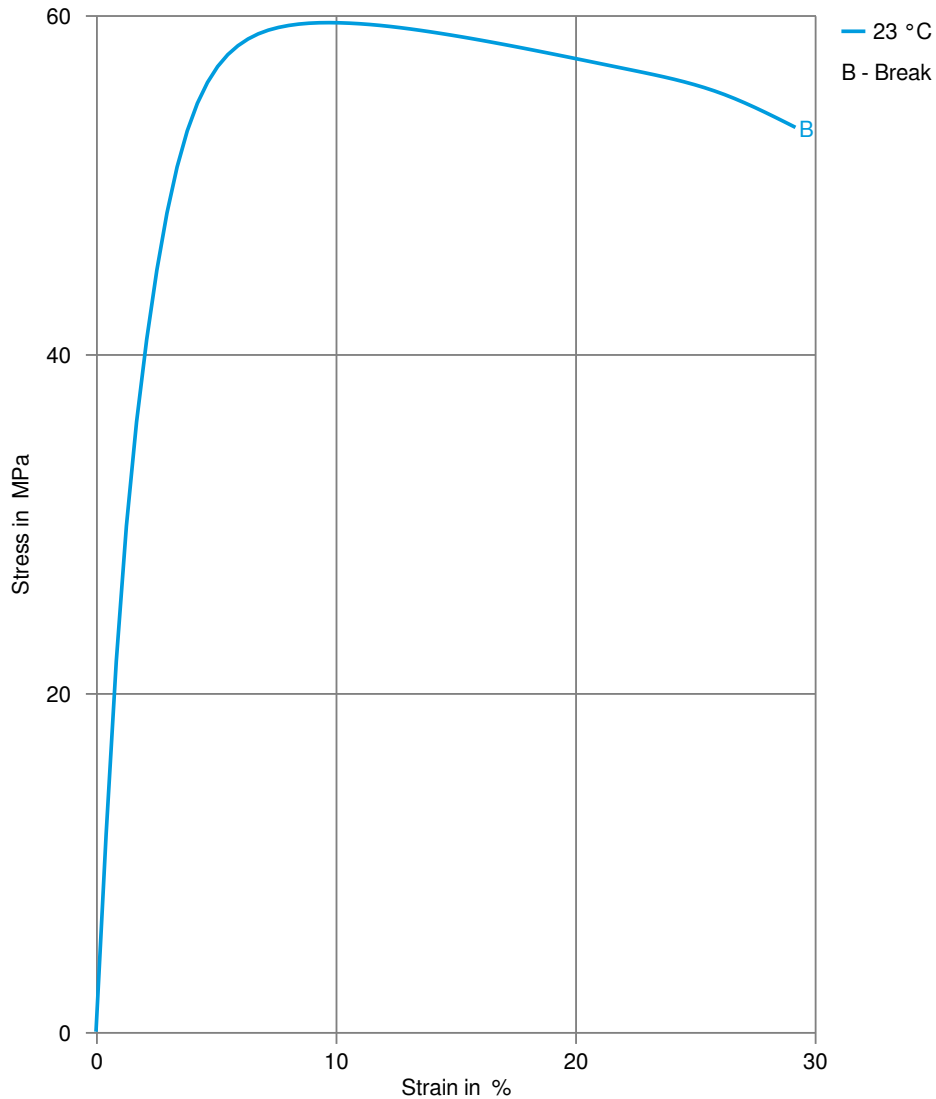
Characteristics

Additives	Release agent
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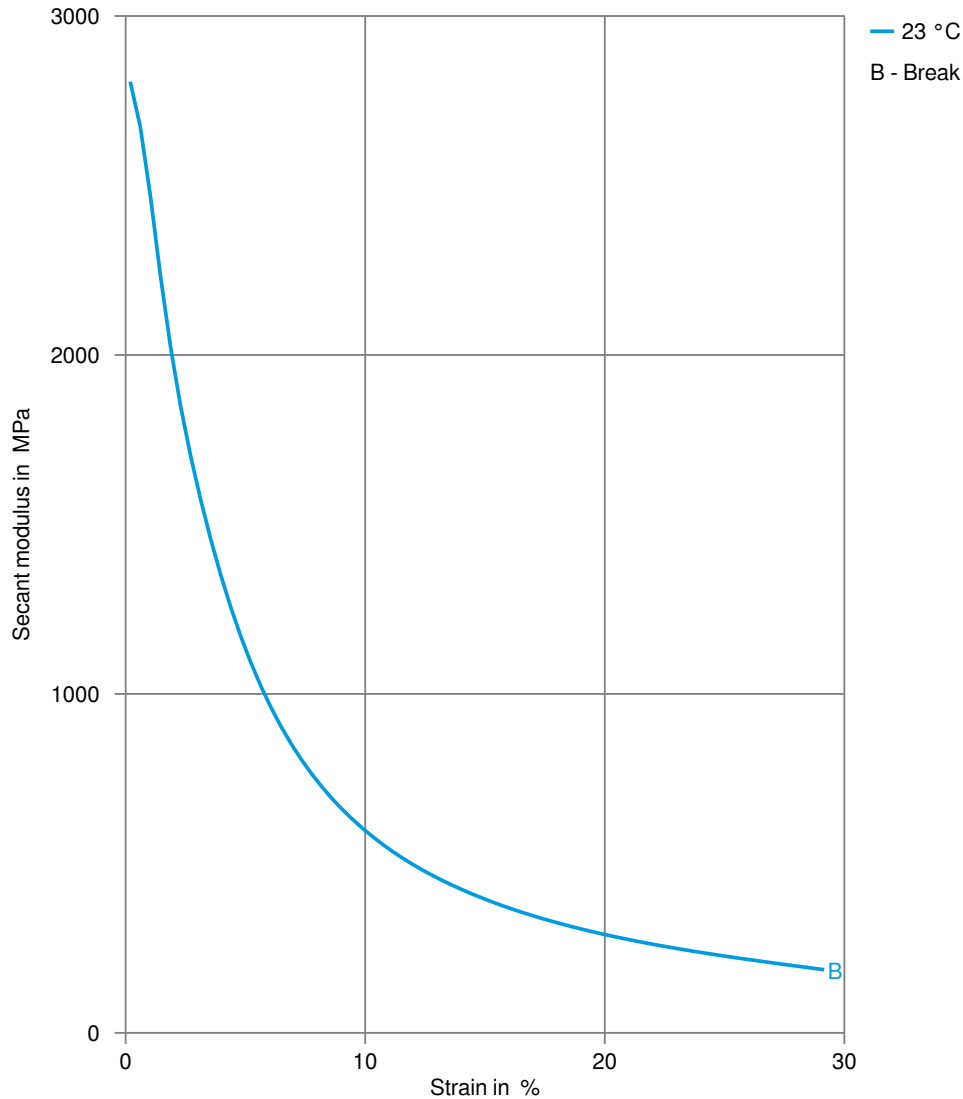
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Stress-strain



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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.

