

HOSTAFORM® LW15EWX

slip improved M15HP

Hostaform® LW15EWX 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. Compared to Hostaform® LW90EWX, this grade has higher toughness and strength.

Rheological properties

Melt volume-flow rate	2.5 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

Typical mechanical properties

Tensile Modulus	2650 MPa	ISO 527-1/-2
Yield stress, 50mm/min	63 MPa	ISO 527-1/-2
Yield strain, 50mm/min	19 %	ISO 527-1/-2
Nominal strain at break	32 %	ISO 527-1/-2
Charpy notched impact strength, 23 °C	14 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30 °C	11 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10 °C/min	173 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	93 °C	ISO 75-1/-2

Other properties

Density	1400 kg/m ³	ISO 1183
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Injection

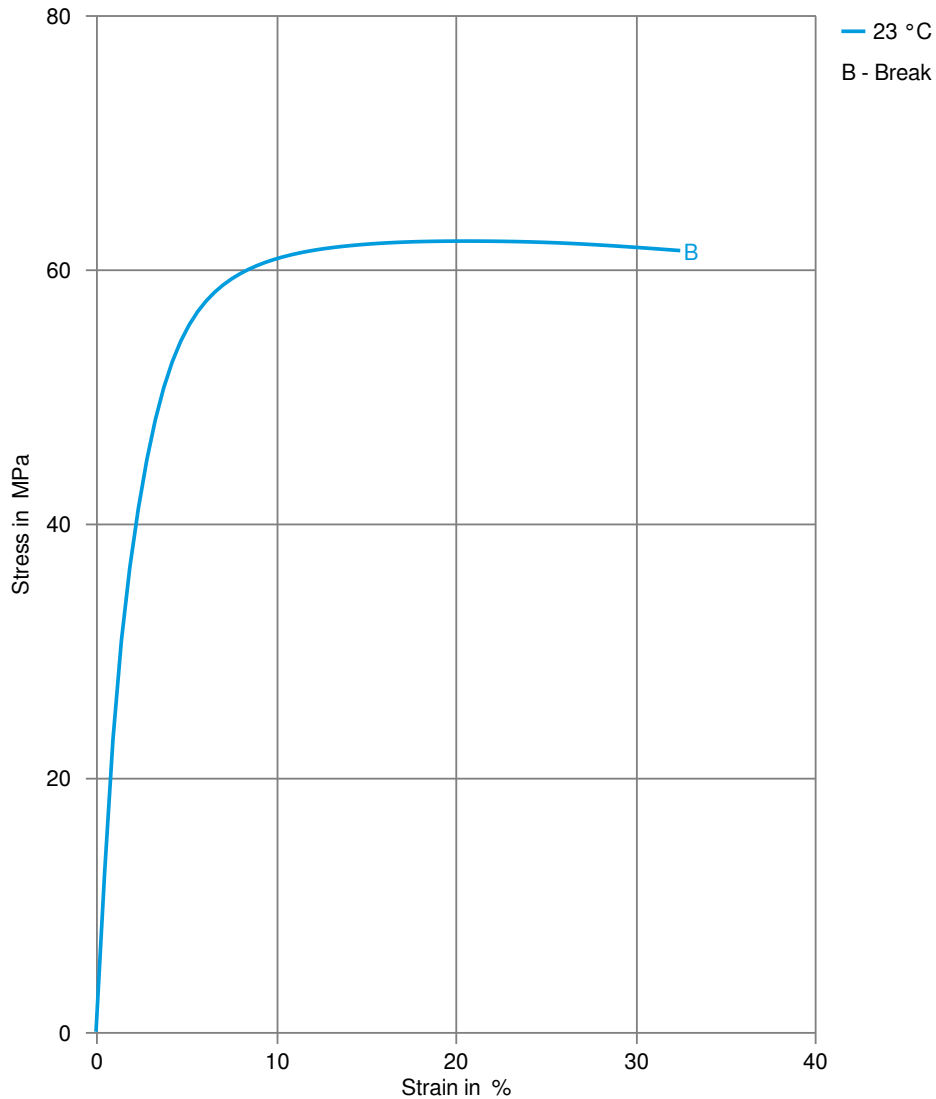
Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Max. mould temperature	90 - 120 °C
Injection speed	slow

Characteristics

Additives	Release agent
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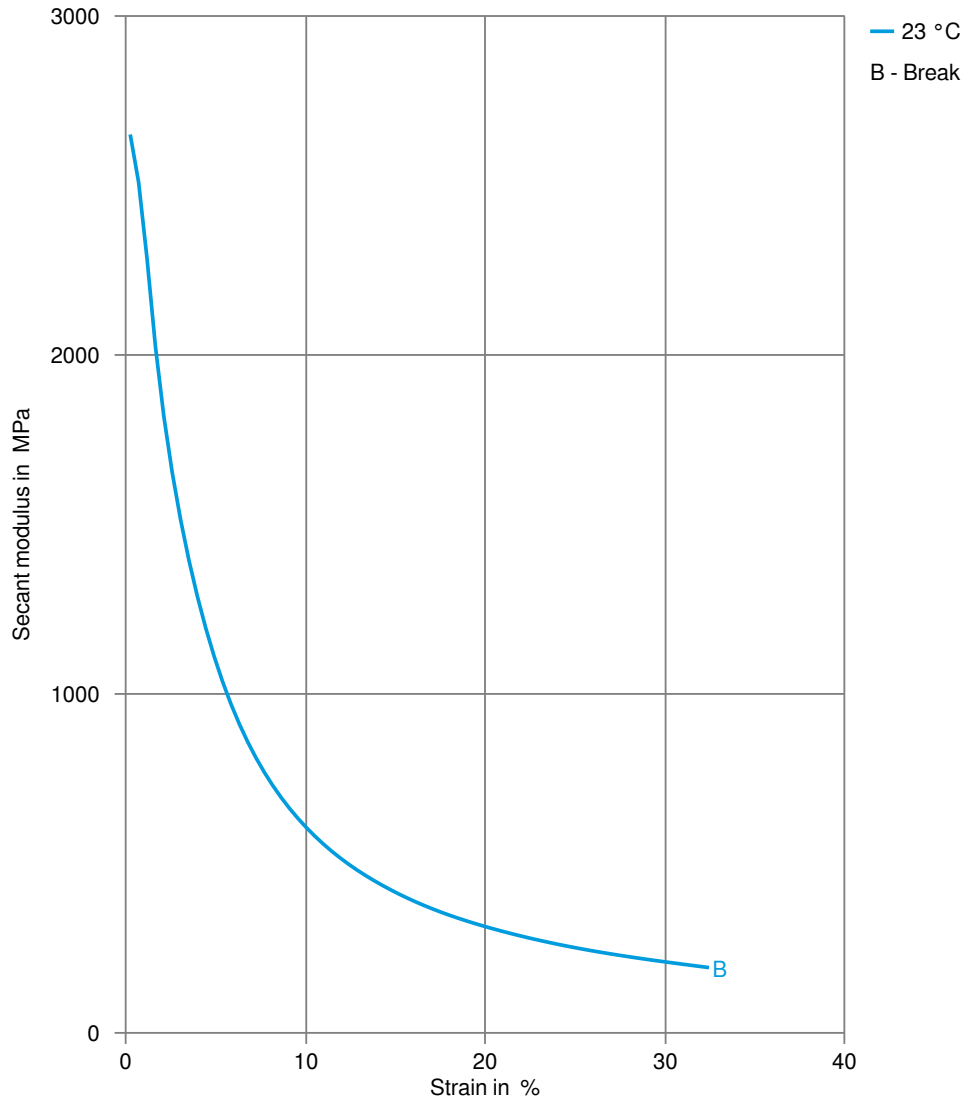
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Stress-strain



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Secant modulus-strain



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