Celanese
The chemistry inside innovation™

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

Injection

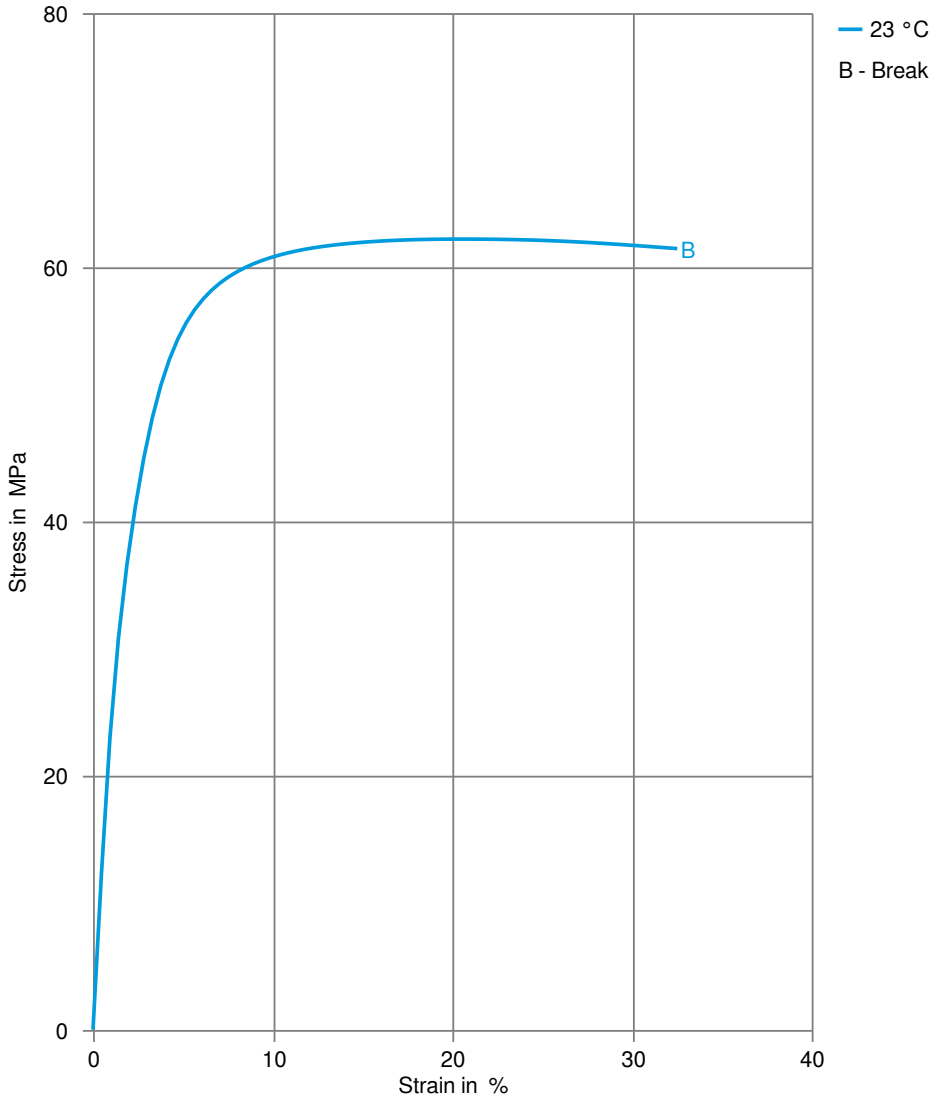
Drying Temperature	100 - 120	°C
Drying Time, Dehumidified Dryer	3 - 4	h
Max. mould temperature	90 - 120	°C
Back pressure	4	MPa
Injection speed	slow	

Characteristics

Additives	Release agent

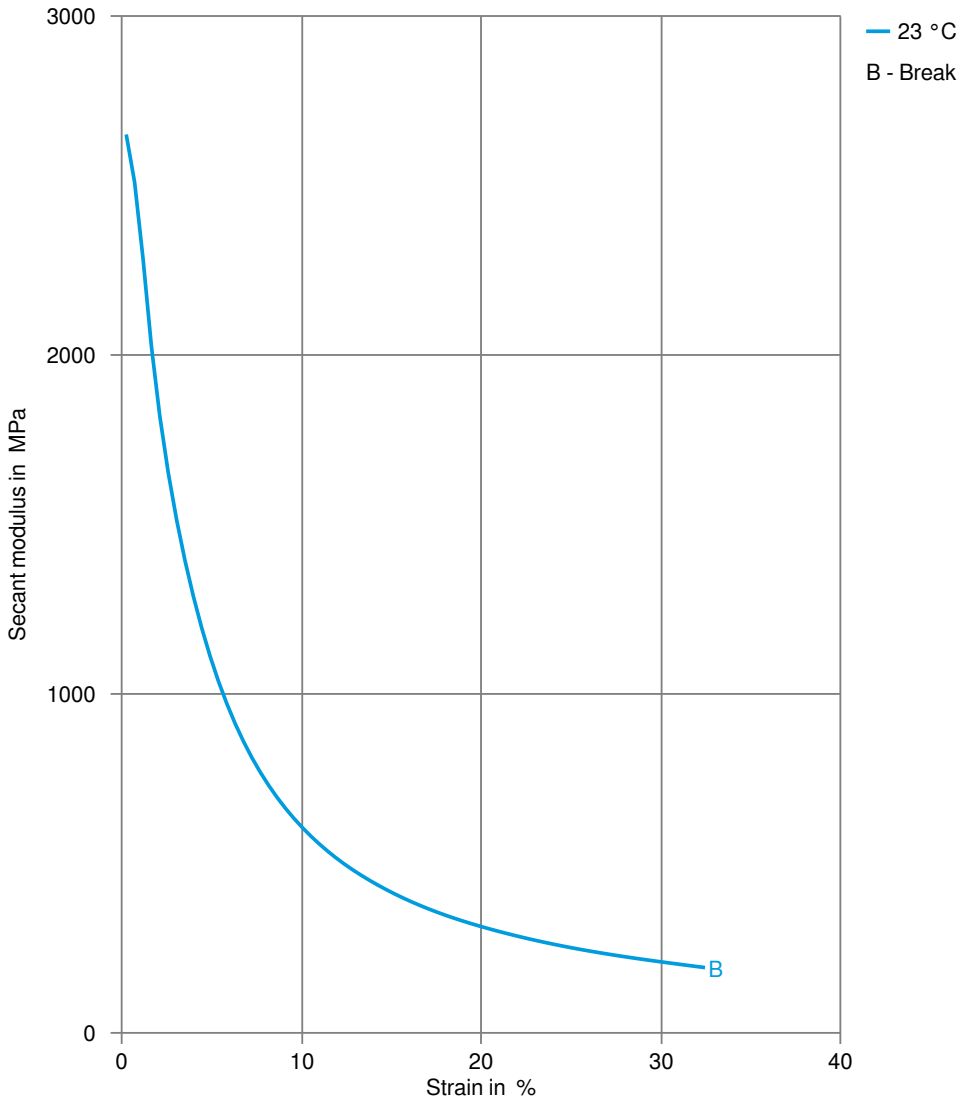
HOSTAFORM® LW15EWX

Stress-strain



HOSTAFORM® LW15EWX

Secant modulus-strain



Revised: 2023-05-21 Source: Celanese Materials Database