

# HOSTAFORM® S 9364 LPB

Low permeation impact modified grade for blow molding

Hostaform® acetal copolymer grade S 9364LPB is a highly impact modified grade for low permeation. Hostaform® S 9364LPB provides a significant improvement in impact strength and flexibility over standard impact modified grades.

Chemical abbreviation according to ISO 1043-1: POM-HI

## Rheological properties

Melt volume-flow rate	0.6 cm <sup>3</sup> /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

## Typical mechanical properties

Tensile Modulus	1650 MPa	ISO 527-1/-2
Yield stress, 50mm/min	43 MPa	ISO 527-1/-2
Yield strain, 50mm/min	16 %	ISO 527-1/-2
Flexural Modulus	1550 MPa	ISO 178
Charpy impact strength, 23°C	NB kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	NB kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	21 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	11 kJ/m <sup>2</sup>	ISO 179/1eA

## Thermal properties

Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	75 °C	ISO 75-1/-2
Vicat softening temperature, 50°C/h, 50N	133 °C	ISO 306
Coeff. of linear therm. expansion, parallel	120 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110 E-6/K	ISO 11359-1/-2

## Other properties

Water absorption, 2mm	0.8 %	Sim. to ISO 62
Density	1370 kg/m <sup>3</sup>	ISO 1183

## Injection

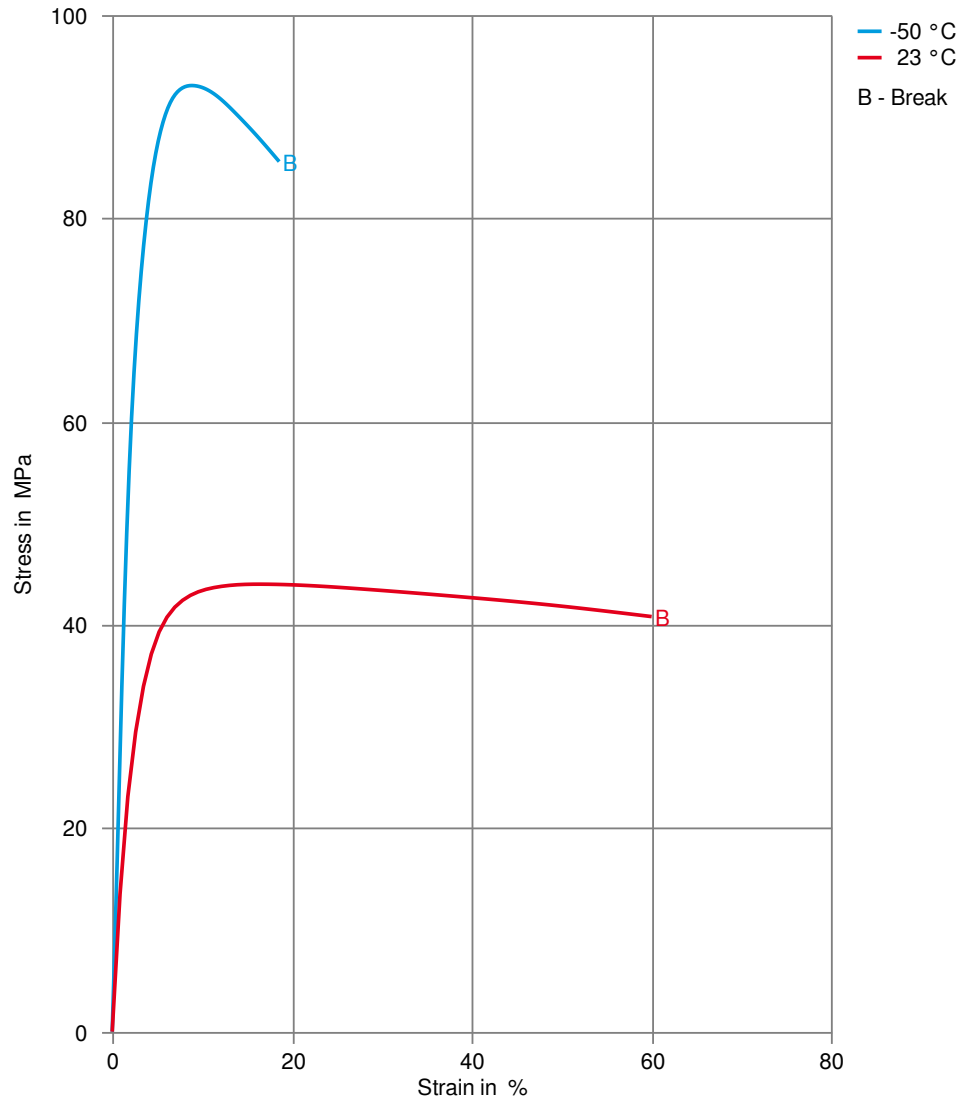
Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Injection speed	slow

## Characteristics

Additives	Release agent
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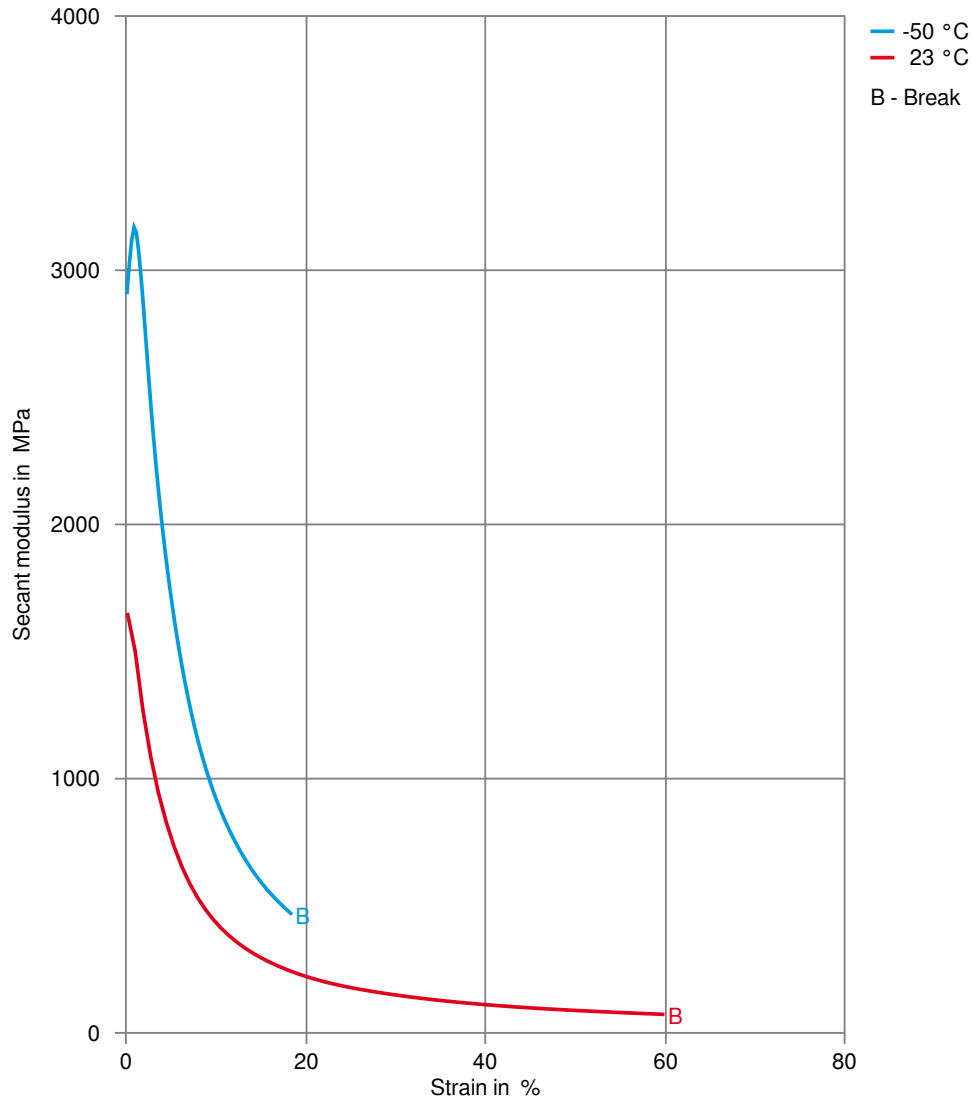
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## Stress-strain



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## Secant modulus-strain



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## Processing Texts

### Pre-drying

Drying is not normally required. If material has come in contact with moisture through improper storage or handling or through regrind use, drying to prevent splay and odor problems.

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