

HOSTAFORM® S 9364 WS 10/1570

Impact modified, weatherable

Hostaform® acetal copolymer grade S 9364 WS 10/1570 is a highly impact modified grade for demanding applications that also need improved resistance to UV exposure. Besides weatherability, Hostaform® S 9364 WS 10/1570 provides a significant improvement in impact strength and flexibility over standard impact modified grades such as Hostaform® S 9362 and S 9363. This grade is only available in black. Chemical abbreviation according to ISO 1043-1: POM-HI

Rheological properties

Melt volume-flow rate	4.5 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

Typical mechanical properties

Tensile Modulus	1500 MPa	ISO 527-1/-2
Yield stress, 50mm/min	41 MPa	ISO 527-1/-2
Yield strain, 50mm/min	20 %	ISO 527-1/-2
Flexural Modulus	1400 MPa	ISO 178
Flexural Stress at 3.5%	37 MPa	ISO 178
Charpy notched impact strength, 23°C	16 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	7 kJ/m ²	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
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

Humidity absorption, 2mm	0.25 %	Sim. to ISO 62
Water absorption, 2mm	0.8 %	Sim. to ISO 62
Density	1370 kg/m ³	ISO 1183

Injection

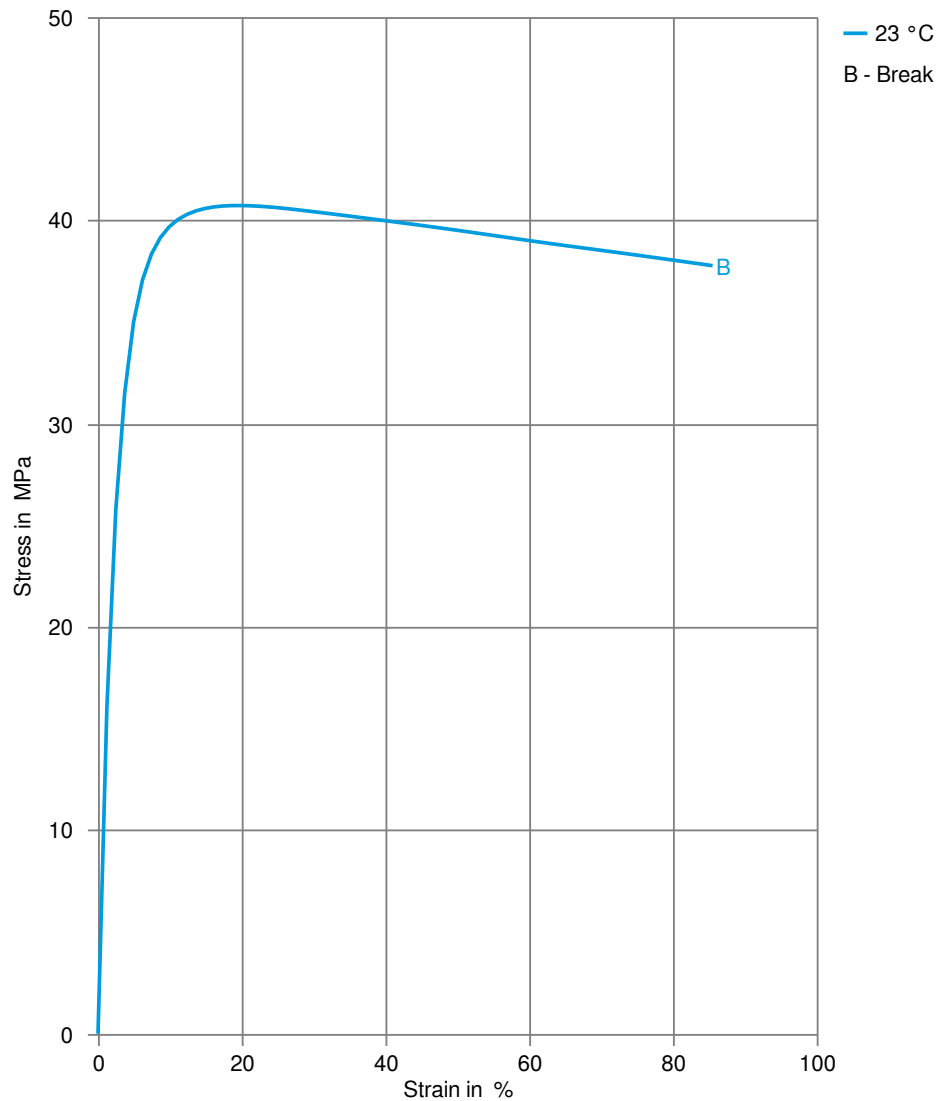
Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Max. mould temperature	60 - 70 °C
Back pressure	2 MPa
Injection speed	slow

Characteristics

Additives	Release agent
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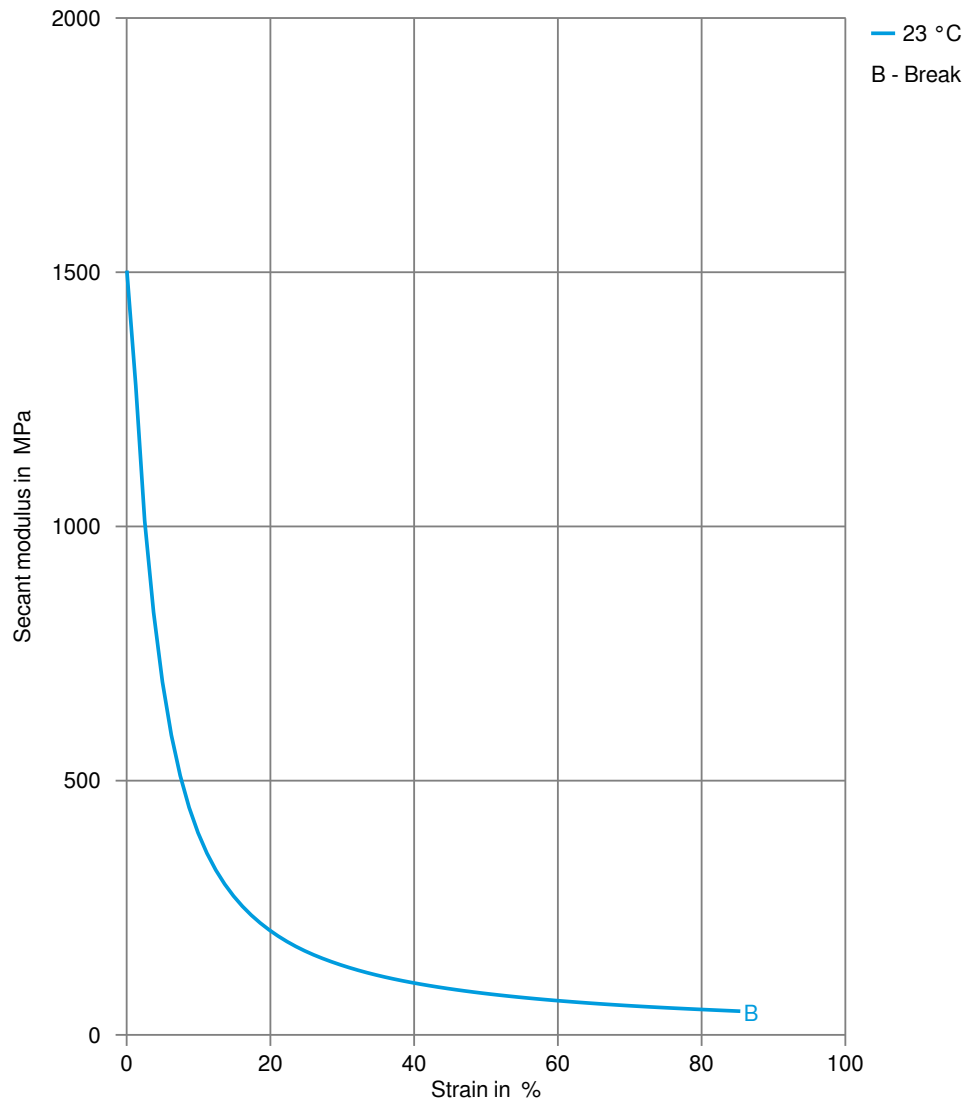
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Stress-strain



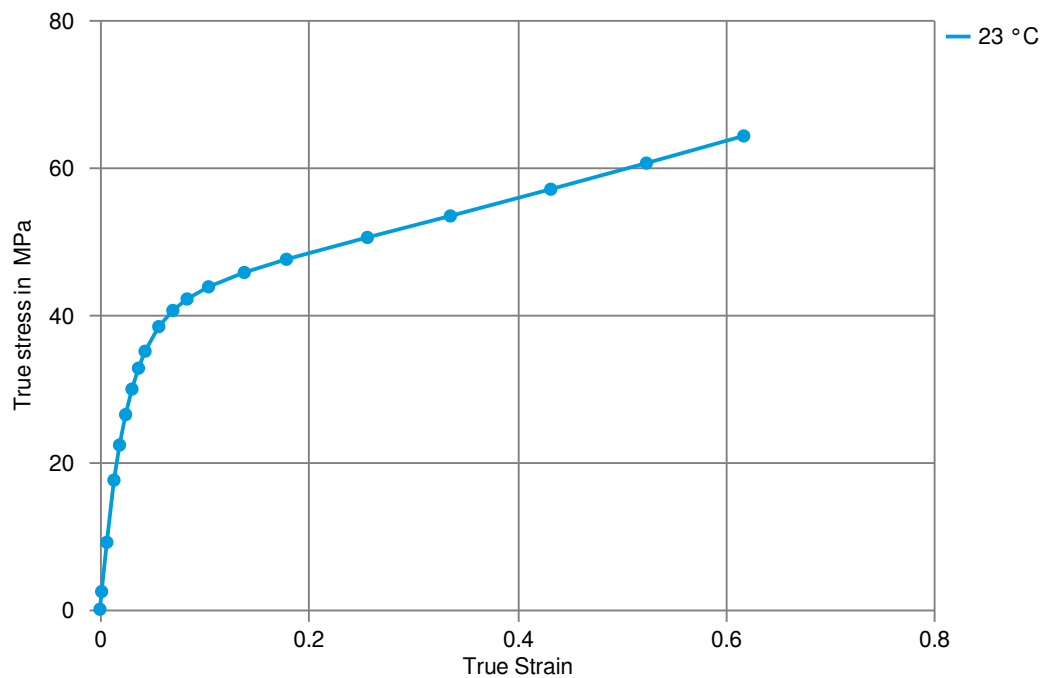
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Secant modulus-strain



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True stress-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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