

HOSTAFORM® S 9364 XAP®2

Impact modified, improved modulus and weld line, low emission

Hostaform® acetal copolymer grade S 9364 XAP®2 is a highly impact modified grade for demanding applications.

Hostaform® S 9364 XAP®2 provides a significant improvement in impact strength and flexibility over standard impact modified grades such as Hostaform® S 9362 and S 9364, and also exhibits exceptional low emission performance meeting or exceeding the requirements of many automotive markets. Chemical abbreviation according to ISO 1043-1: POM-HI

Rheological properties

Melt volume-flow rate	4 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage range, parallel	1.6 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.5 %	ISO 294-4, 2577

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
Flexural Stress at 3.5%	42 MPa	ISO 178
Charpy impact strength, 23°C	NB kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	NB kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	21 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	20 kJ/m ²	ISO 180/1A
Izod notched impact strength, -40°C	10 kJ/m ²	ISO 180/1A

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
Temp. of deflection under load, 0.45 MPa	140 °C	ISO 75-1/-2
Vicat softening temperature, 50°C/h, 50N	122 °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

Humidity absorption, 2mm	0.25 %	Sim. to ISO 62
Water absorption, 2mm	0.8 %	Sim. to ISO 62
Density	1360 kg/m ³	ISO 1183

HOSTAFORM® S 9364 XAP®2

Injection

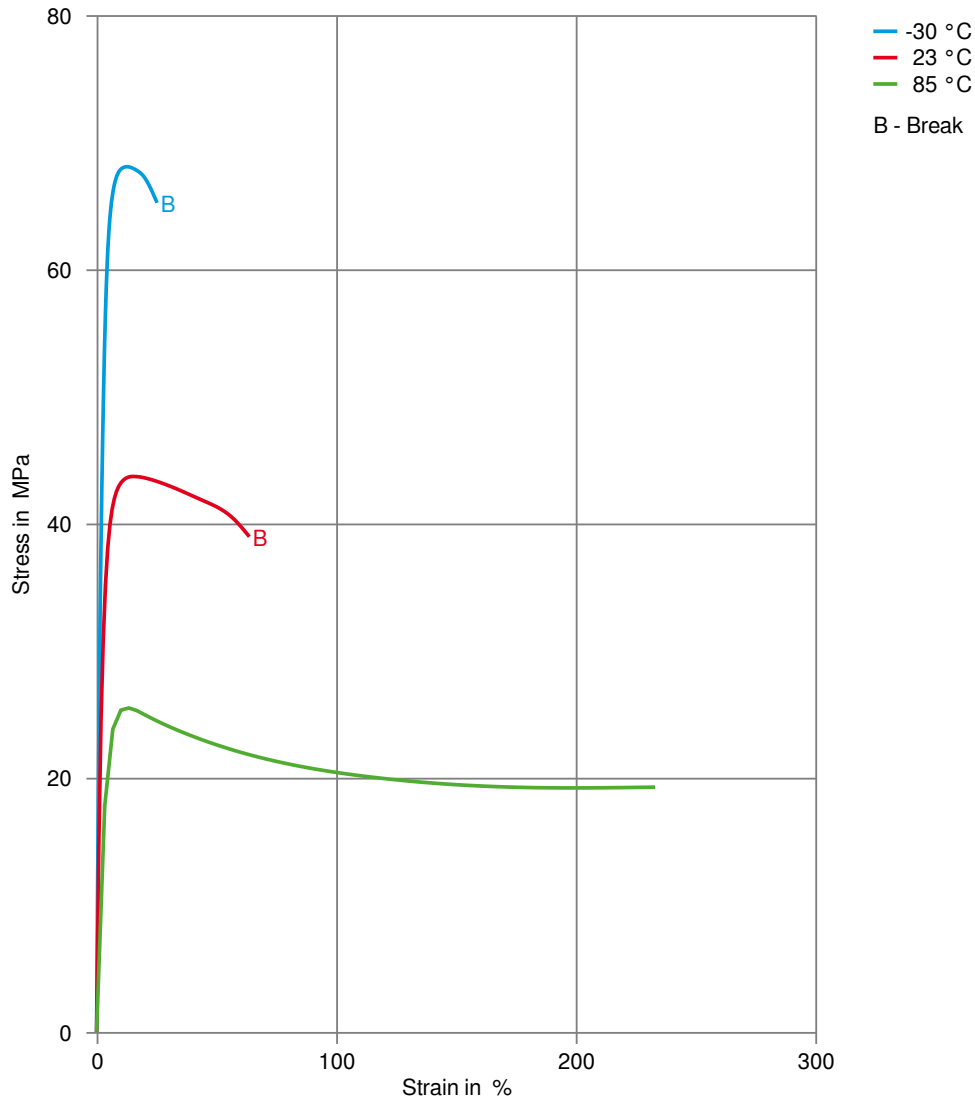
Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Max. mould temperature	60 - 70 °C
Back pressure	2 MPa
Injection speed	slow

Characteristics

Additives	Release agent
-----------	---------------

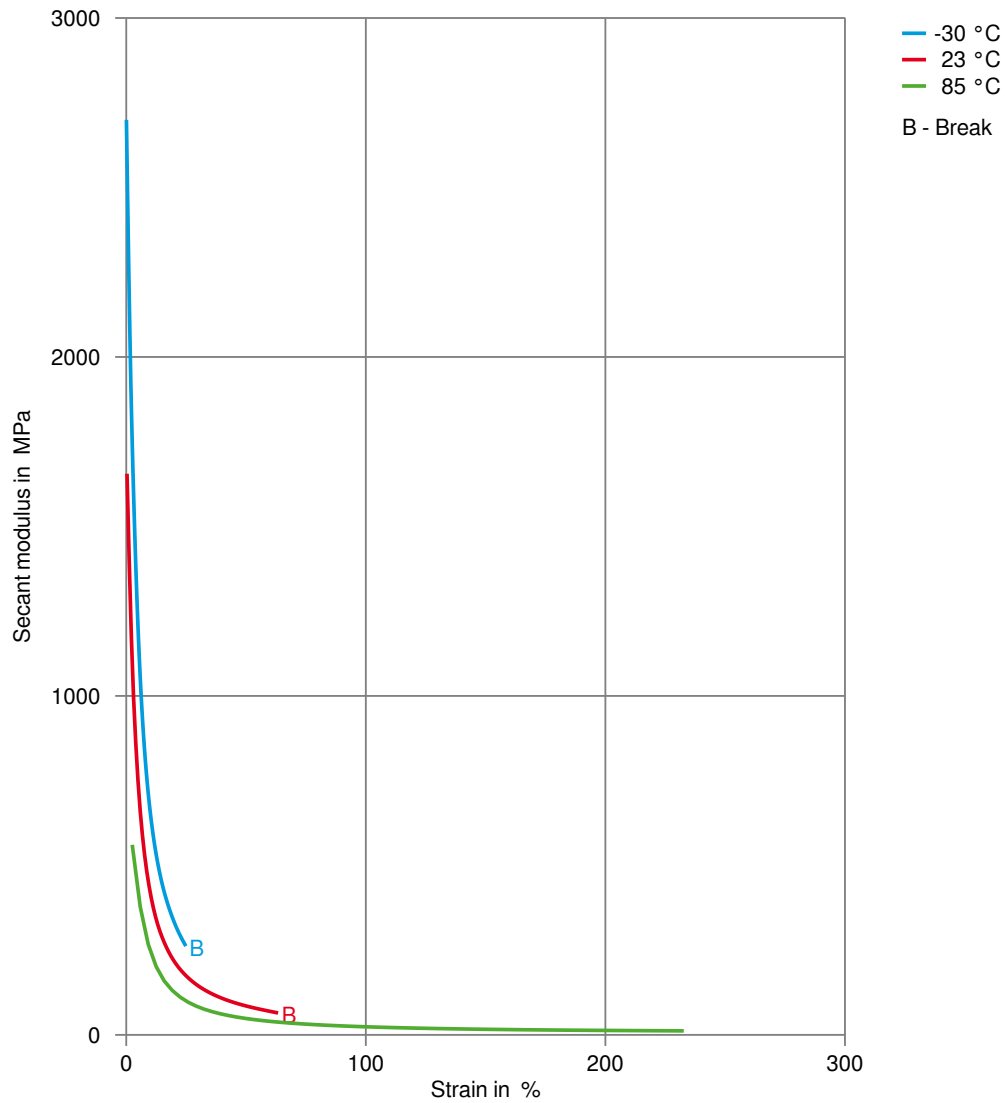
HOSTAFORM® S 9364 XAP®2

Stress-strain



HOSTAFORM® S 9364 XAP®2

Secant modulus-strain



HOSTAFORM® S 9364 XAP®2

Processing Texts

Pre-drying

Drying is suggested to help achieve low emission performance and to counter if material has contacted moisture through improper storage and handling.

Other Approvals

Other Approvals

OEM	Specification	Additional Information
BJEV	Q-BJEV 01.59	
Mercedes-Benz Group (Daimler)	DBL 5404	BQF
Mercedes-Benz Group (Daimler)	DBL 5410	
Ford	WSK-M4D618-A2	
Li Auto	Q/LiA5310020	2021 (V2)
Renault		No spec listed
SAIC Motor	SMTC 5 310 020	
VW Group	TL 522 77	
VW Group	VW50180	