

HOSTAFORM® S 9364

high performance impact modified

Hostaform® acetal copolymer grade S 9364 is highly impact modified grade for demanding applications. Hostaform® S 9364 provides a significant improvement in impact strength and flexibility over standard impact modified grades such as Hostaform® S 9362 and S 9363. 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, -30°C	12 kJ/m ²	ISO 180/1A
Izod notched impact strength, -40°C	10 kJ/m ²	ISO 180/1A
Izod impact strength, 23°C	NB kJ/m ²	ISO 180/1U
Izod impact strength, -30°C	NB kJ/m ²	ISO 180/1U
Poisson's ratio	0.43	
Shore D hardness, 15s	76	ISO 48-4 / ISO 868

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



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Injection

Drying Temperature	100 - 120 °C	
Drying Time, Dehumidified Dryer	3 - 4 h	
Melt Temperature Optimum	200 °C	Internal
Max. mould temperature	60 - 70 °C	
Back pressure	2 MPa	
Injection speed	slow	

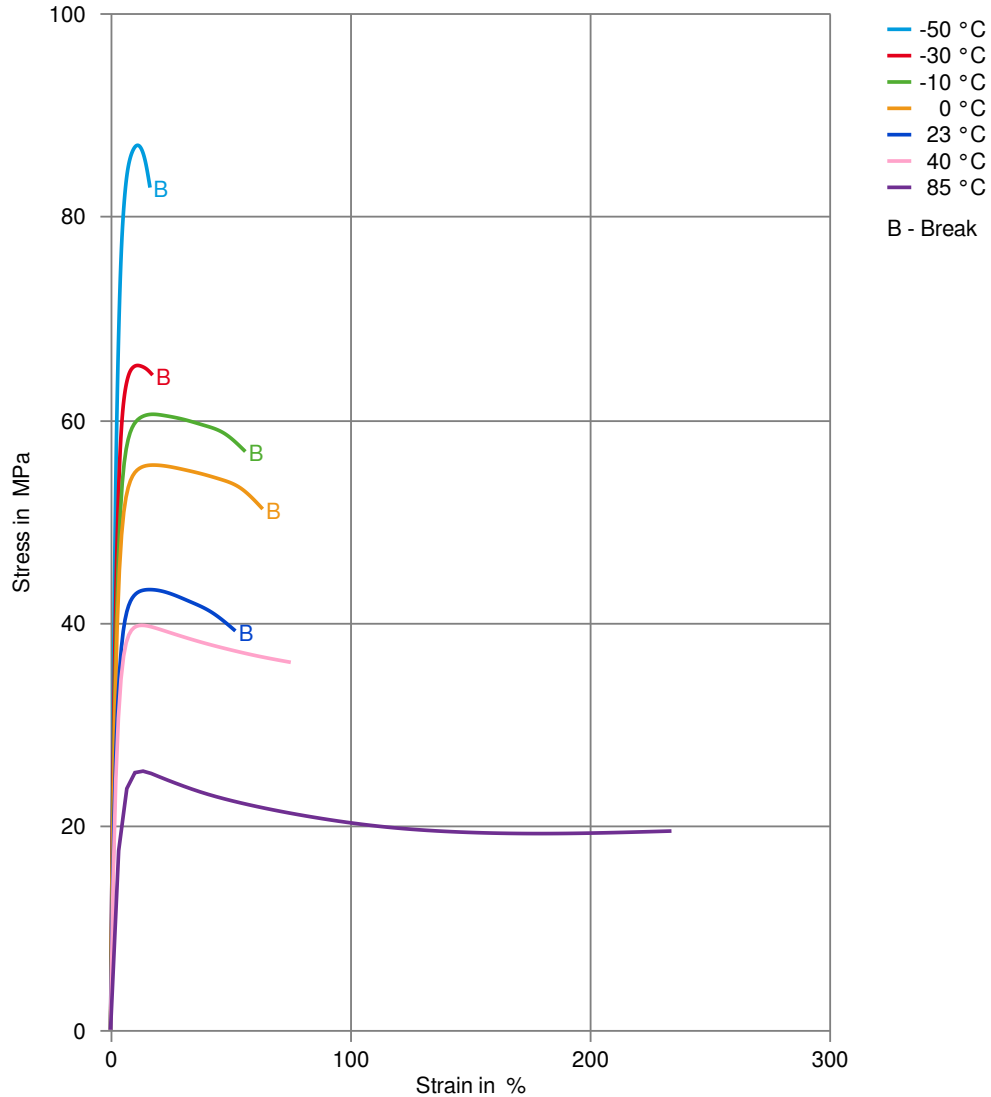
Characteristics

Additives	Release agent
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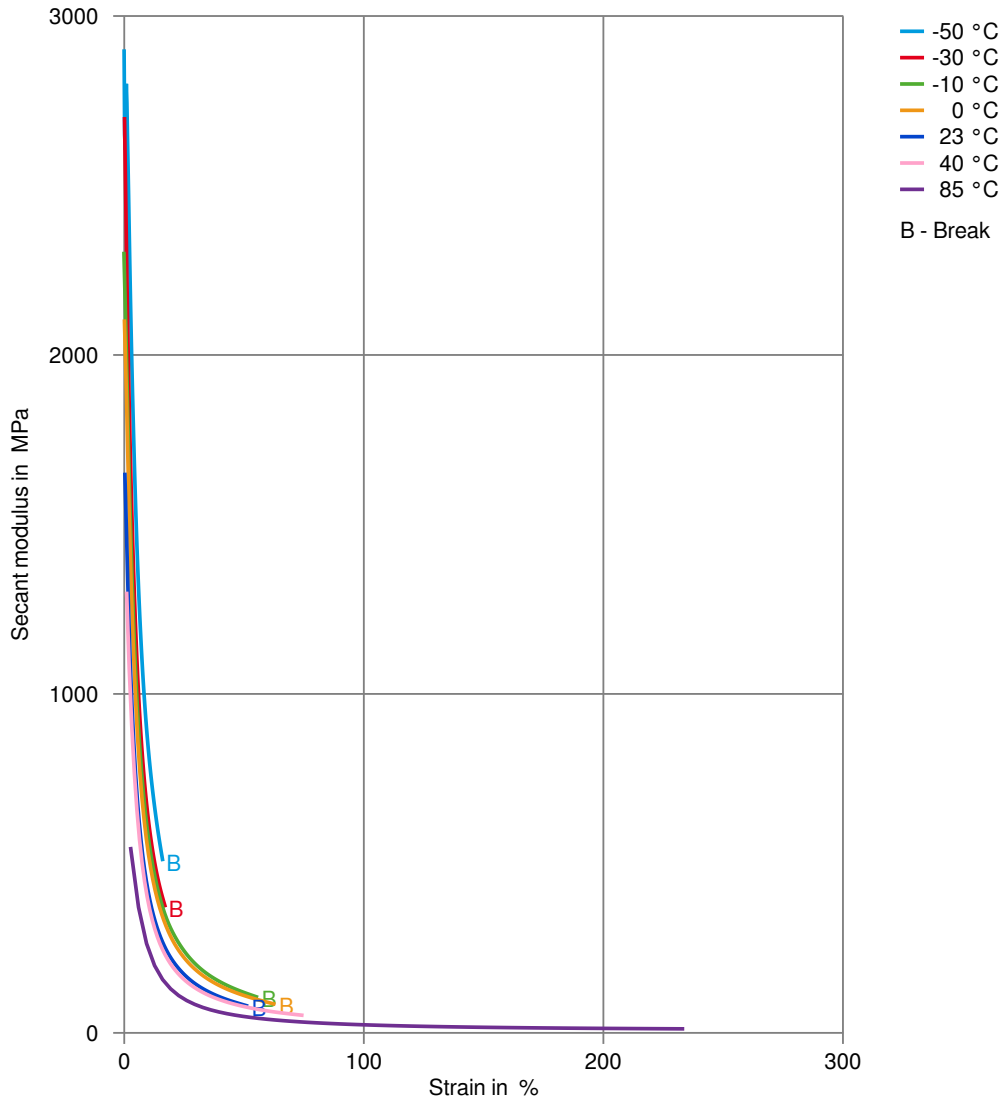
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Stress-strain



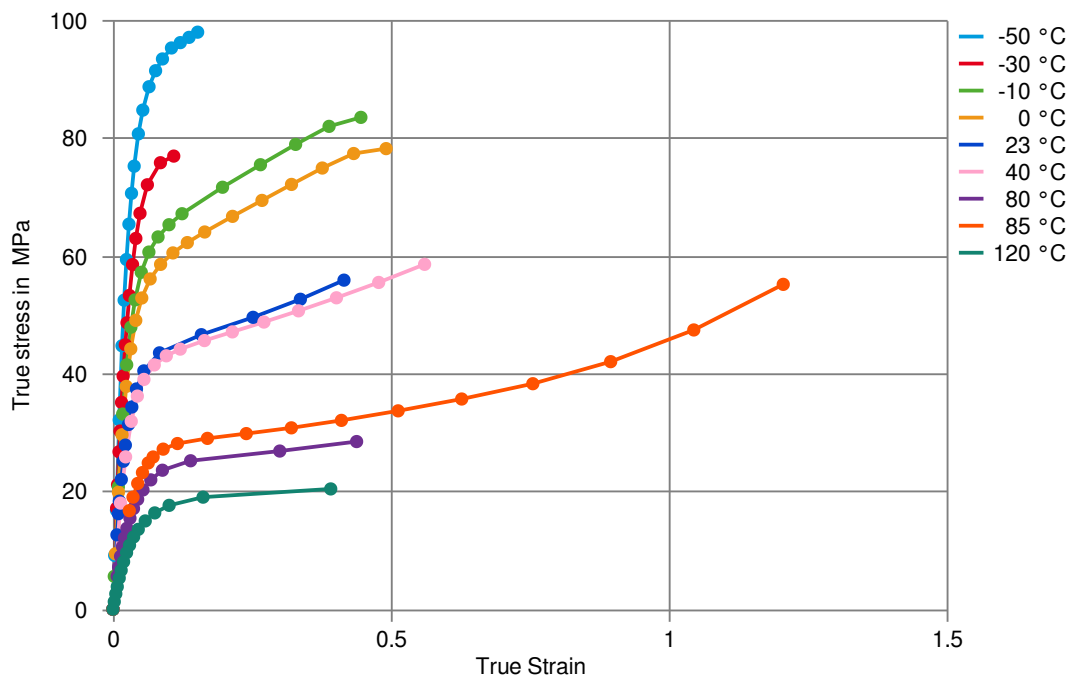
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Secant modulus-strain



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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.

Other Approvals

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OEM	Specification	Additional Information
Changan	MTS-F01-02-001-A3	2019
Stellantis - Chrysler	CPN 3379	CANOD
Stellantis - Chrysler	CPN 5237	Black
Stellantis - FCA Group	POM 75.70	
Ford	WSK-M4D618-A2	
GM	GMW22P-POM-C2P2	
Li Auto	Q/LiA5310020	2021 (V2)
Renault		No spec listed

