

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 Temperature Load	4 190 2.16		ISO 1133
Moulding shrinkage, parallel Moulding shrinkage, normal	1.6 1.5		ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties			
Tensile Modulus Yield stress, 50mm/min Yield strain, 50mm/min Flexural Modulus Flexural Stress at 3.5% Shear Modulus Charpy impact strength, 23°C Charpy impact strength, -30°C Charpy notched impact strength, -30°C Izod impact strength, -30°C Izod impact strength, -30°C Izod impact strength, -30°C	43 16 1550 42 908 NB 21 11 20 12 10 NB	MPa MPa % MPa MPa kJ/m ² kJ/m ² kJ/m ² kJ/m ² kJ/m ² kJ/m ² kJ/m ² kJ/m ²	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 6721 ISO 179/1eU ISO 179/1eU ISO 179/1eA ISO 179/1eA ISO 180/1A ISO 180/1A ISO 180/1U ISO 180/1U
Shore D hardness, 15s	76		ISO 48-4 / ISO 868
Thermal properties			
Melting temperature, 10°C/min Temp. of deflection under load, 1.8 MPa Temp. of deflection under load, 0.45 MPa Vicat softening temperature, 50°C/h, 50N Coeff. of linear therm. expansion, parallel Coeff. of linear therm. expansion, normal	140 122 120	°C °C	ISO 11357-1/-3 ISO 75-1/-2 ISO 75-1/-2 ISO 306 ISO 11359-1/-2 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
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	

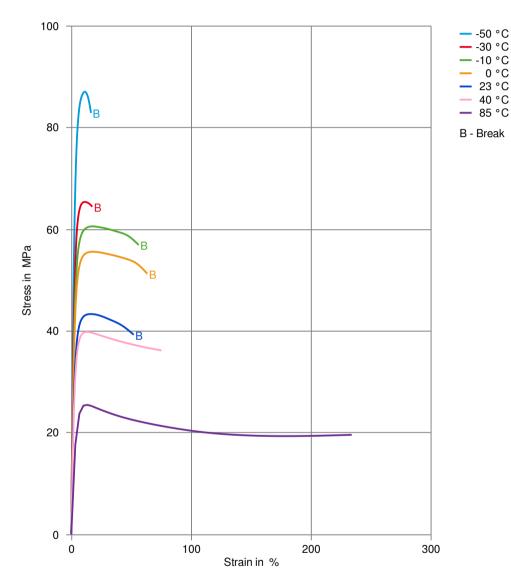
Characteristics

Additives

Release agent

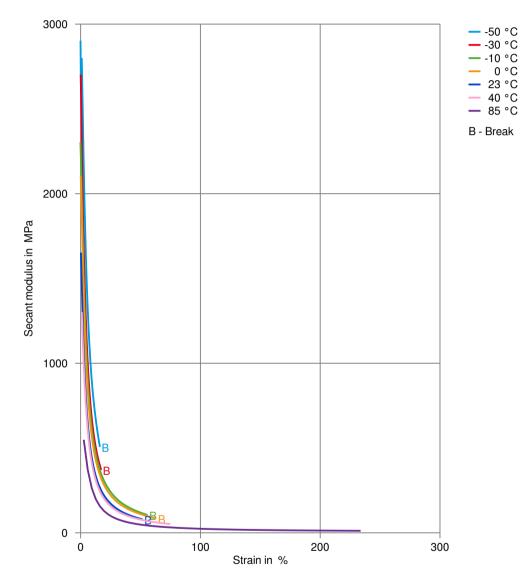


Stress-strain



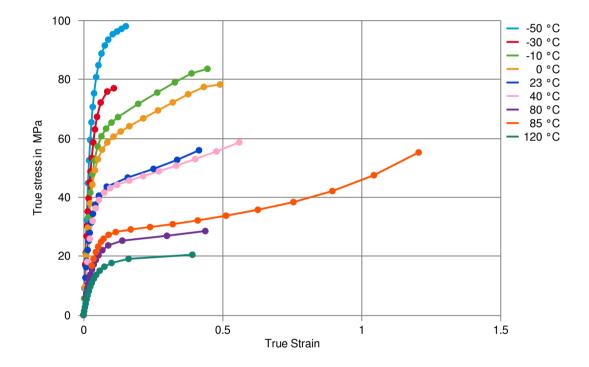


Secant modulus-strain





True stress-strain





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

Other Approvals

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

Printed: 2023-08-07

Revised: 2023-02-23 Source: Celanese Materials Database

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