

HOSTAFORM® XT 90

Highly impact modified, improved weld line

Hostaform® acetal copolymer grade XT 90 is a highly impact modified grade for demanding applications. Hostaform® XT 90 provides exceptional impact strength and flexibility over standard impact modified acetal copolymer grades. Chemical abbreviation according to ISO 1043-1: POM-HI

Rheological properties

Melt volume-flow rate	2 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage range, parallel	1.2 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.1 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	950 MPa	ISO 527-1/-2
Yield stress, 50mm/min	30 MPa	ISO 527-1/-2
Yield strain, 50mm/min	25 %	ISO 527-1/-2
Flexural Modulus	950 MPa	ISO 178
Flexural Stress at 3.5%	25 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	100 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	15 kJ/m ²	ISO 179/1eA
Shore D hardness, 15s	69	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	60 °C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	115 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	100 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120 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	1320 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 - 80 °C	
Back pressure	2 MPa	
Injection speed	slow	

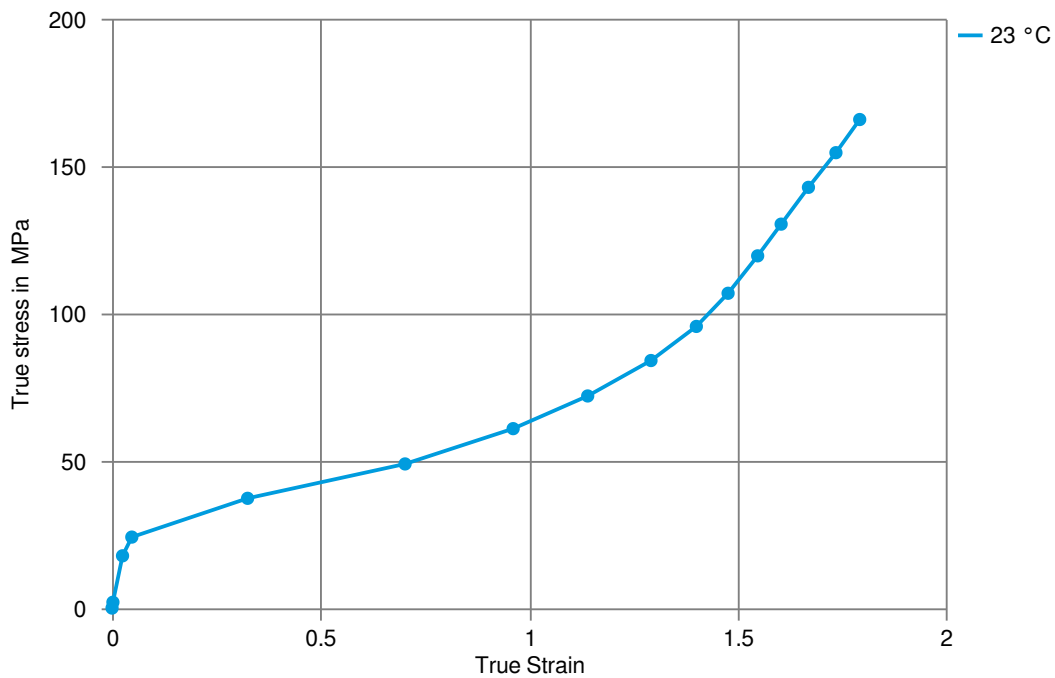
HOSTAFORM® XT 90

Characteristics

Additives

Release agent

True stress-strain



HOSTAFORM® XT 90

Processing Texts

Pre-drying

Drying is suggested specially if material has come in contact with moisture through storage, handling or regrind use. Dry to prevent splay and odor problems.

Other Approvals

Other Approvals

OEM	Specification
Stellantis - FCA Group	POM 60.100