HOSTAFORM® LX90Z XAP®2 ECO-B

Low emission, UV resistant grade, Metallic colors
Hostaform® acetal copolymer grade LX90Z XAP®2 is UV stabilized material available in a range of molded in metallic colors generally for automotive interior applications. In addition, Hostaform® LX90Z XAP®2 has lower volatile emissions as required for some automotive interiors. Besides material, optimal finish for specialty metallic parts is dependent on proper drying, gate design, knit line locations, and special processing. Please contact Celanese Technical Service for assistance with your application. Low Emission Performance [VDA-275] < 5 PPM
ECO-B: Hostaform® ECO-B is a POM-Copolymer with the same properties and performance as standard grades but produced with sustainability in mind. Using a mass-balance approach, biogenic feedstocks are used to offset the use of fossil-based raw materials and decrease greenhouse gas emissions. The process is audited and certified according to the ISCC Plus mass balance approach.

Rheological properties

Moulding shrinkage, parallel	2.3	%	ISO 294-4, 2577
Moulding shrinkage, normal	1.4	%	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	2700	MPa	ISO 527-1/-2
Yield stress, 50mm/min	54	MPa	ISO 527-1/-2
Yield strain, 50mm/min	8	%	ISO 527-1/-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress at 3.5%	67	MPa	ISO 178
Charpy notched impact strength, 23°C	4	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	4	kJ/m²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	90	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	147	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	100	E-6/K	ISO 11359-1/-2

Other properties

Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Water absorption, 2mm	0.75	%	Sim. to ISO 62
Density	1430	kg/m³	ISO 1183

Injection

Drying Temperature	100 - 120	°C
Drying Time, Dehumidified Dryer	3 - 4	h
Max. mould temperature	100 - 125	°C
Back pressure	4	MPa
Injection speed	slow	

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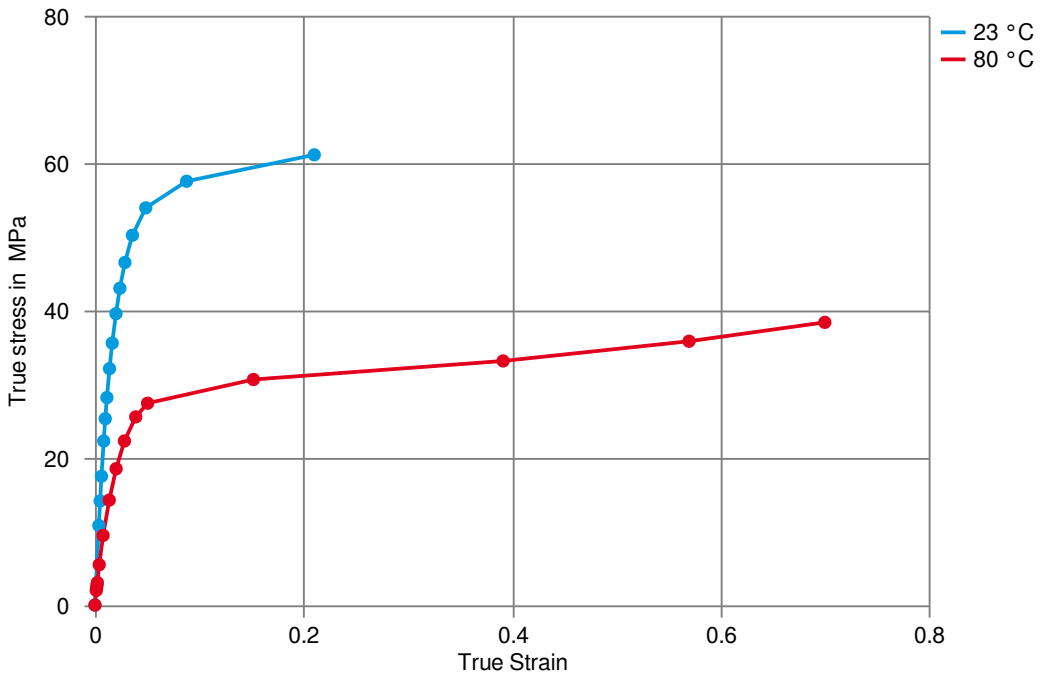
Characteristics

Additives	Release agent, Biobased

True stress-strain



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Processing Texts

Pre-drying	Drying is required for this material to prevent poor appearance and performance of the part.

Revised: 2023-01-09 Source: Celanese Materials Database