

HOSTAFORM® LX90Z

Specialty metallic appearance UV resistant grade for interior automotive

Hostaform® LX90Z specialty metallic appearance grades are an integrally colored nominal 9 melt flow rate based acetal copolymer material stabilized for use where ultraviolet radiation exposure is to be encountered. The material is formulated to prevent discoloration, fading, chalking and mechanical property change in severe ultraviolet exposure. This product, formerly called Celcon® UV90Z metallics, is available in many molded-in-color metallic colors formulated for the interior automotive market and other applications. 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.

Rheological properties

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

Typical mechanical properties

Tensile Modulus	2800 MPa	ISO 527-1/-2
Yield stress, 50mm/min	54 MPa	ISO 527-1/-2
Yield strain, 50mm/min	10 %	ISO 527-1/-2
Flexural Modulus	2850 MPa	ISO 178
Flexural Stress at 3.5%	67 MPa	ISO 178
Charpy notched impact strength, 23°C	4 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	5 kJ/m ²	ISO 180/1A
Izod notched impact strength, -40°C	4 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	88 °C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	151 °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/m ³	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



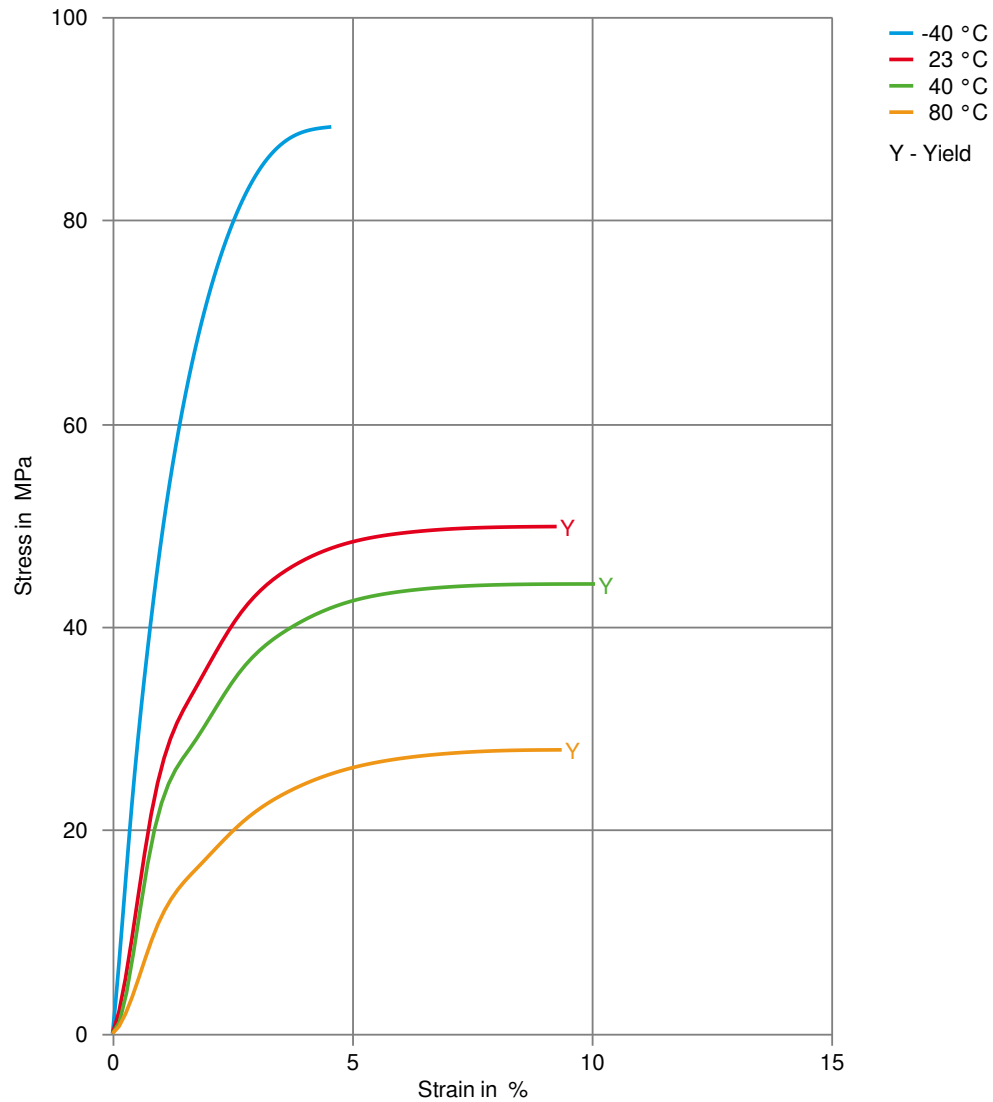
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Characteristics

Additives

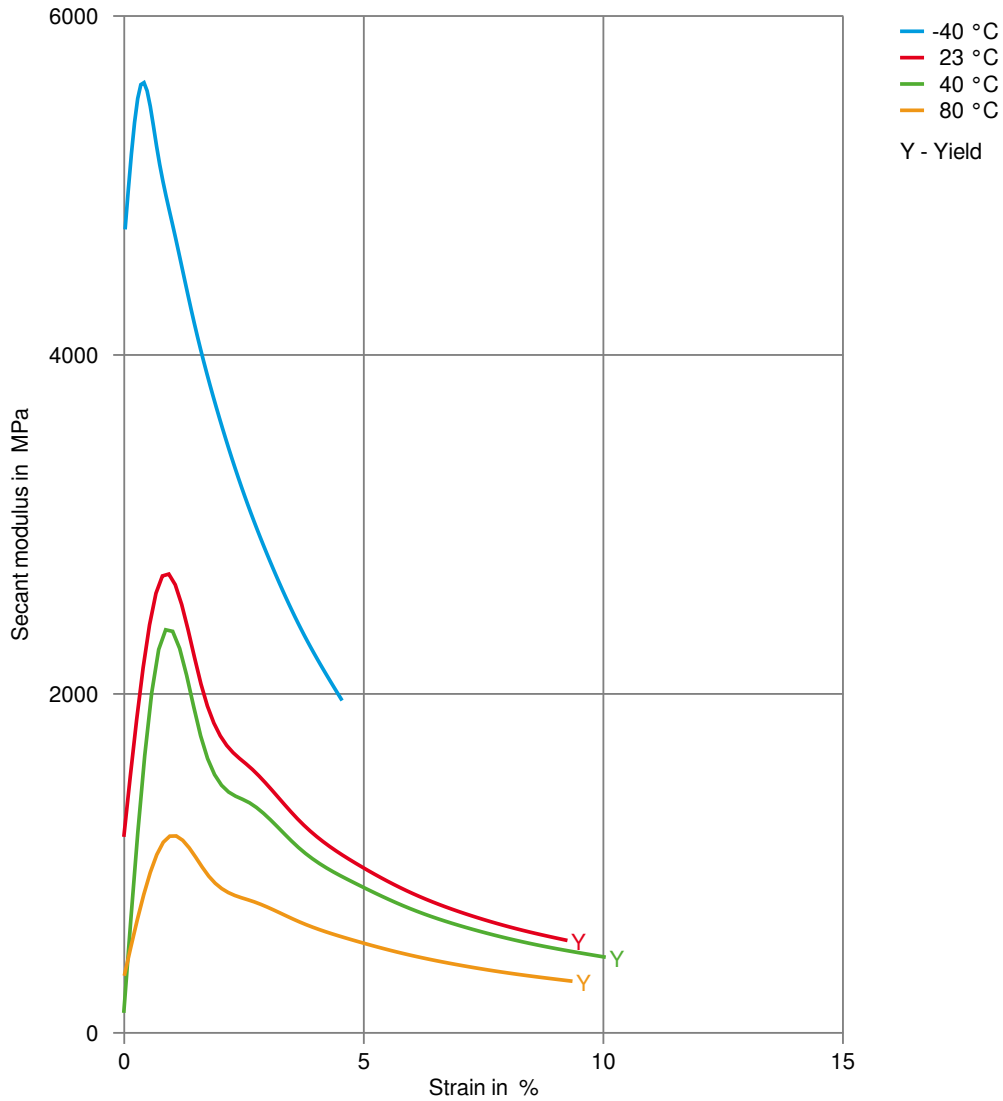
Release agent

Stress-strain



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Secant modulus-strain



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Processing Texts

Pre-drying

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

Other Approvals

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OEM	Specification	Additional Information
Stellantis - FCA Group	POM 100.55	

