

HOSTAFORM® UV270Z XAP®2

UV resistance, high flow, low emission

Hostaform® acetal copolymer grade UV270Z XAP®2 is a UV stabilized material available in a range of colors generally for automotive interior applications. In addition, Hostaform® UV270 XAP®2 has lower emissions as required for some automotive interiors. Low Emission Performance [VDA-275] <5 PPM

Rheological properties

Melt volume-flow rate	24 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage range, parallel	2.1 %	ISO 294-4, 2577
Moulding shrinkage range, normal	2.0 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	2650 MPa	ISO 527-1/-2
Yield stress, 50mm/min	65 MPa	ISO 527-1/-2
Yield strain, 50mm/min	8 %	ISO 527-1/-2
Flexural Modulus	2600 MPa	ISO 178
Charpy impact strength, 23°C	120 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	5 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.5 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	5.4 kJ/m ²	ISO 180/1A

Thermal properties

Melting temperature, 10°C/min	167 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	95 °C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	155 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120 E-6/K	ISO 11359-1/-2

Other properties

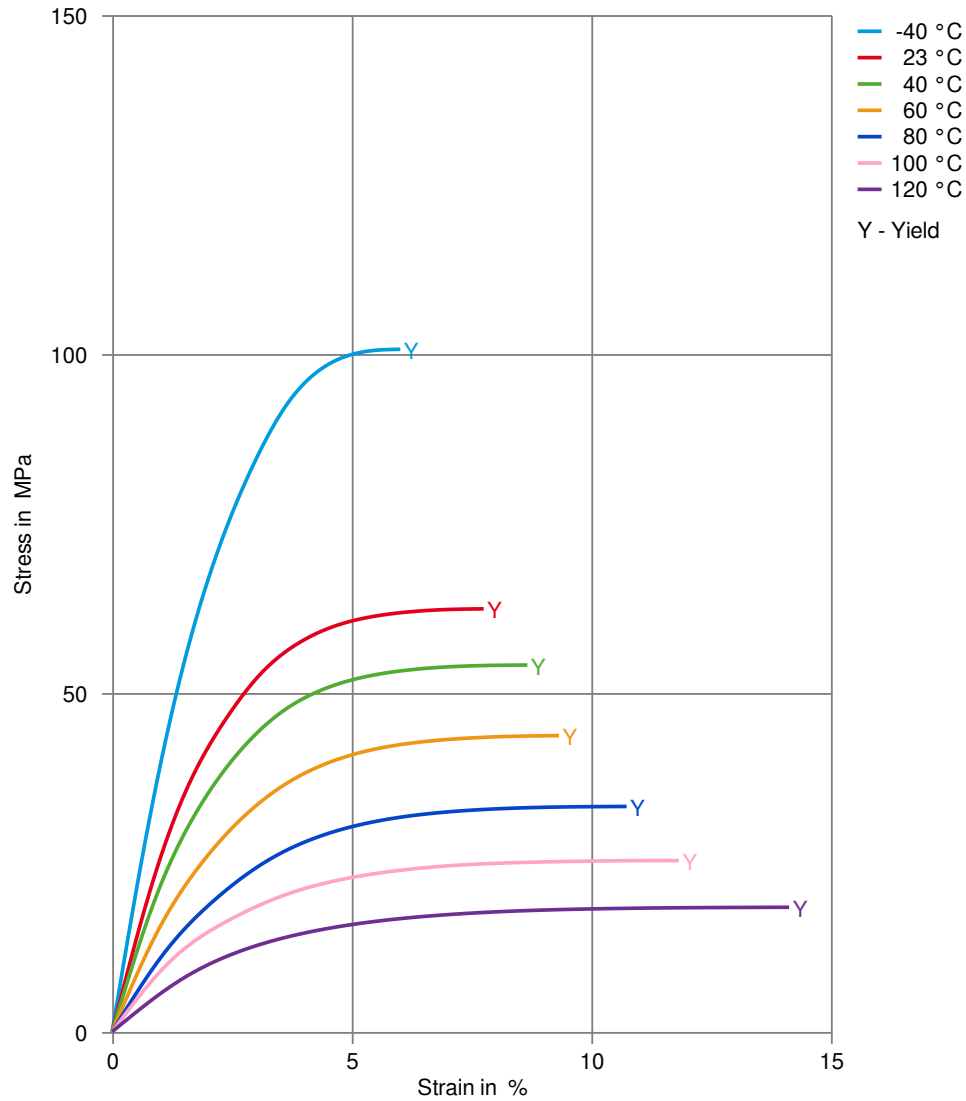
Density	1400 kg/m ³	ISO 1183
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Injection

Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Max. mould temperature	80 - 120 °C
Back pressure	4 MPa
Injection speed	slow-medium

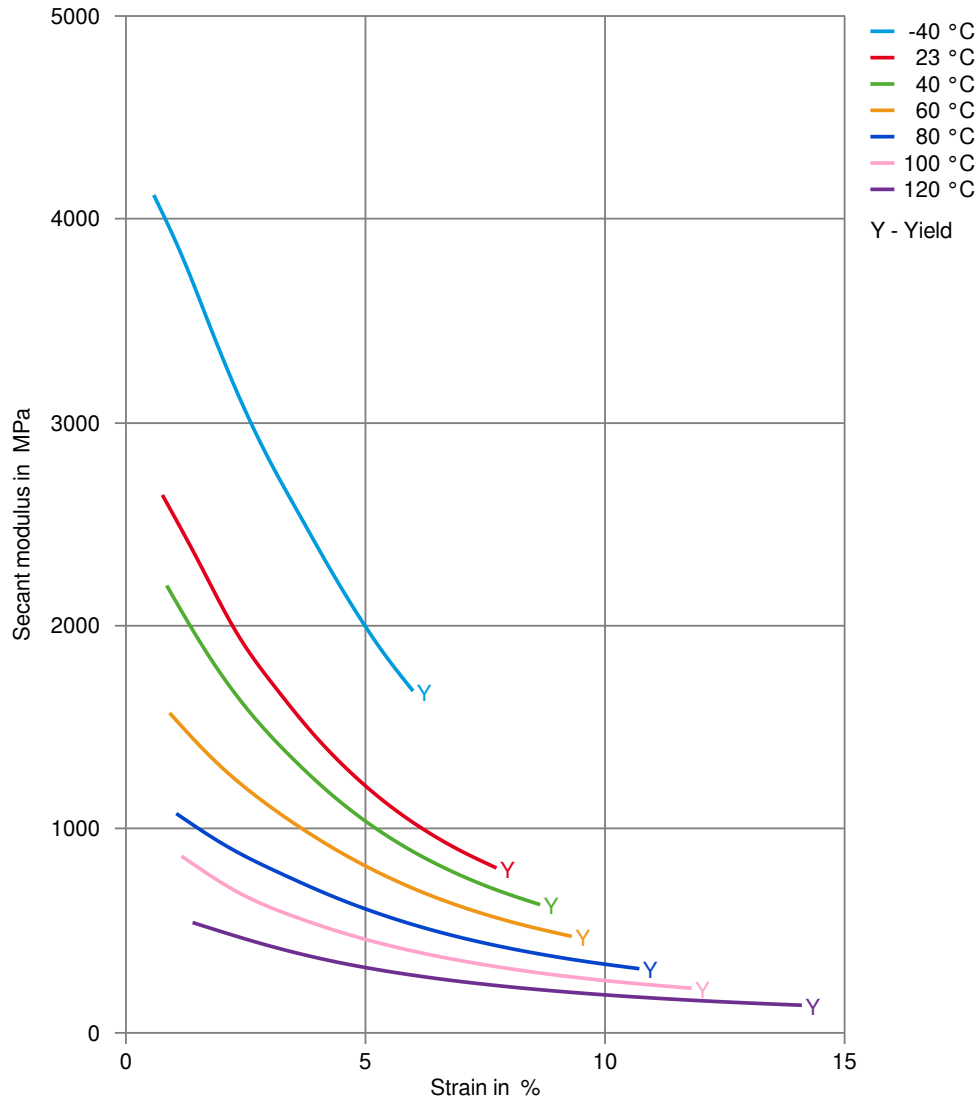
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Stress-strain



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Secant modulus-strain



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Processing Texts

Pre-drying

Drying is recommended to obtain optimum emission performance. If material contacts moisture through improper storage or handling, drying may be necessary to prevent splay and odor issues.

Other Approvals

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OEM	Specification	Additional Information
Stellantis - Chrysler	CPN 3905	100% color match
GM	GMW16924P-POM-C4	
Great Wall Motor	MP05-01	Colors
VW Group	TL 524 76	Colors