

# HOSTAFORM® UV90Z XAP®2

UV resistance, low emission

Hostaform® acetal copolymer grade UV90Z XAP®2 is a UV stabilized material available in a range of colors generally for automotive interior applications. In addition, Hostaform® UV90Z XAP®2 has lower emissions as required for some automotive interiors. Low Emission Performance [VDA-275] <5 PPM

## Rheological properties

Melt volume-flow rate	8 cm <sup>3</sup> /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage range, parallel	2.0 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.7 %	ISO 294-4, 2577

## Typical mechanical properties

Tensile Modulus	2650 MPa	ISO 527-1/-2
Yield stress, 50mm/min	64 MPa	ISO 527-1/-2
Yield strain, 50mm/min	9 %	ISO 527-1/-2
Charpy notched impact strength, 23°C	6 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	5 kJ/m <sup>2</sup>	ISO 179/1eA
Hardness, Rockwell, M-scale	83	ISO 2039-2

## Thermal properties

Melting temperature, 10°C/min	167 °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	154 °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	110 E-6/K	ISO 11359-1/-2

## Other properties

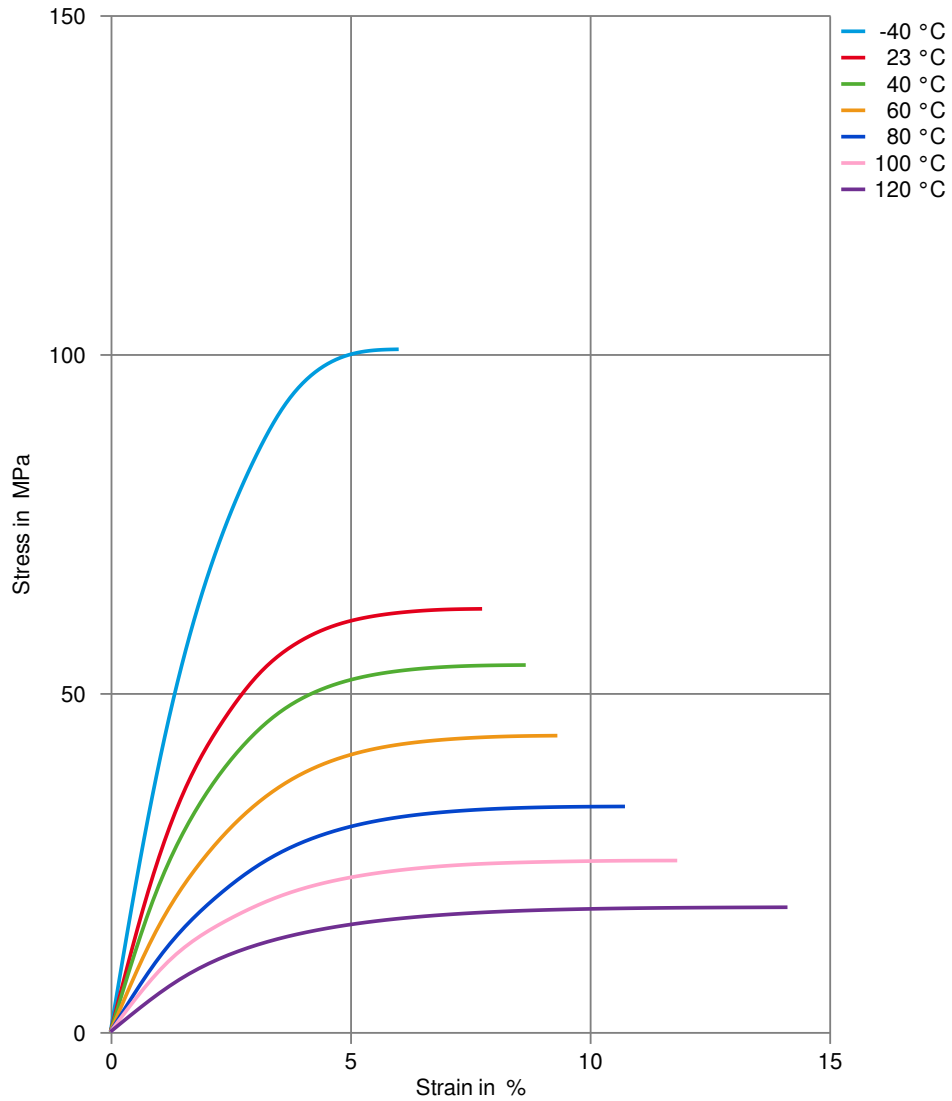
Density	1400 kg/m <sup>3</sup>	ISO 1183
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## Injection

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

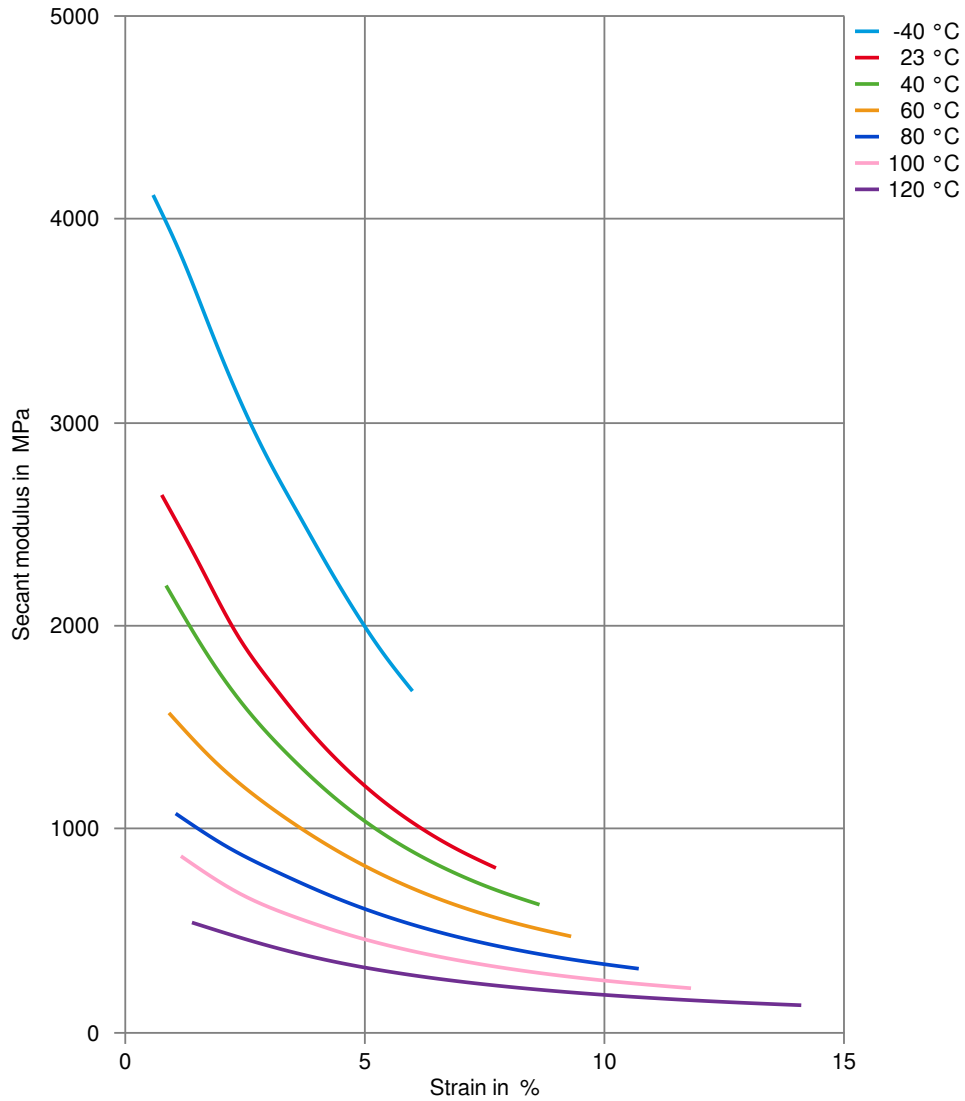
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## Stress-strain



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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 1758	100% color match
Ford	WSS-M4D840-B1	
Geely	Q/JLY J7110235B	2018
GM	GMW16924P-POM-C2	
Li Auto	Q/LiA5310020	2021 (V2)
VW Group	TL 524 76	Natural