

# HOSTAFORM® UV270Z XAP®2

## HOSTAFORM®

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

### Product information

Resin Identification	POM	ISO 1043
Part Marking Code	>POM<	ISO 11469

### Rheological properties

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

### Typical mechanical properties

Tensile modulus	2650 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	65 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8 %	ISO 527-1/-2
Flexural modulus	2600 MPa	ISO 178
Charpy impact strength, 23°C	120 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	5 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	4.5 kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23°C	5.4 kJ/m <sup>2</sup>	ISO 180/1A
Poisson's ratio	0.38 <sup>[C]</sup>	

[C]: Calculated

### Thermal properties

Melting temperature, 10°C/min	167 °C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	95 °C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	155 °C	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	120 E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	120 E-6/K	ISO 11359-1/-2

### Electrical properties

Surface resistivity	1.3E16 Ohm	IEC 62631-3-2
Arc Resistance	240 s	UL 746B

### Physical/Other properties

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

Drying Recommended	no
Drying Temperature	100 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Processing Moisture Content	≤0.2 %
Melt Temperature Optimum	200 °C
Min. melt temperature	190 °C
Max. melt temperature	210 °C
Screw tangential speed	≤0.3 m/s
Mold Temperature Optimum	100 °C
Min. mould temperature	80 °C
Max. mould temperature	120 °C
Hold pressure range	60 - 120 MPa
Back pressure	4 MPa

### Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	U.V. stabilised or stable to weather, High Flow, Low emissions

### Additional information

Processing Notes

### 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.

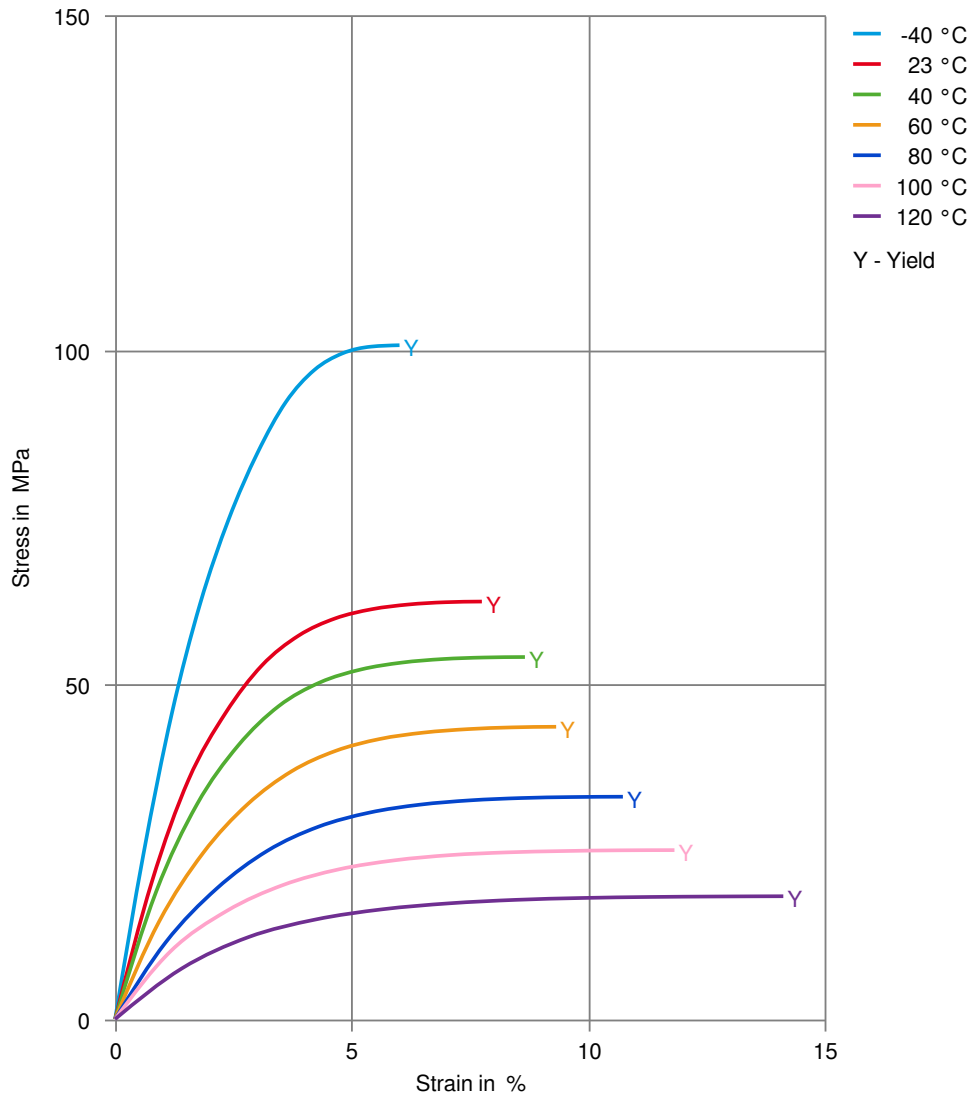
### Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
General Motors	GMW16924P-POM-C4	Natural
Great Wall Motor	MP05-01	Colors
Stellantis - Chrysler	MS.50095 / CPN-3905	100% Color Match
VW Group	TL 524 76	Colors

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### Stress-strain



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### Secant modulus-strain

