

# HOSTAFORM® UV90Z XAP®2

## HOSTAFORM®

Hostaform® acetal copolymer grade UV90Z XAP®2 is a UV stabilized material available in a range of colors especially for automotive interior applications. In addition, Hostaform® UV90Z 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	8 cm <sup>3</sup> /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage, parallel	2.0 %	ISO 294-4, 2577
Moulding shrinkage, normal	1.7 %	ISO 294-4, 2577

### Typical mechanical properties

Tensile modulus	2650 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	64 MPa	ISO 527-1/-2
Tensile strain at yield, 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
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	90 °C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	154 °C	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	90 E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	110 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
---------	------------------------	----------

### 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

# HOSTAFORM® UV90Z XAP® 2

## HOSTAFORM®

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, 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.

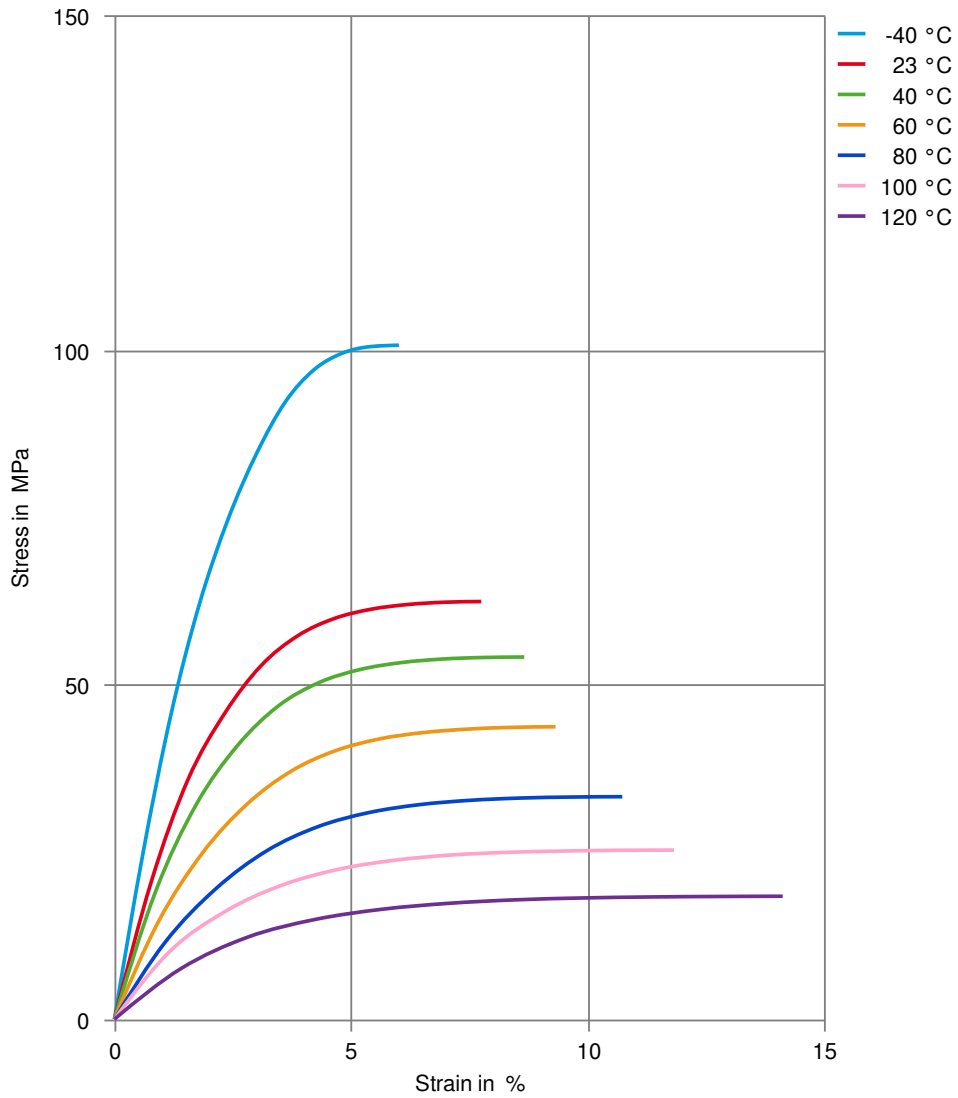
### Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Ford	WSS-M4D840-B1	
General Motors	GMW16924P-POM-C2	
Li Auto	Q/LiA5310020	2021 (V2)
Stellantis	MS.502xx / POM-C.2400F.5C.MF	CPN1758 100% COLOR MATCH
Stellantis - Chrysler	MS.50095 / CPN-1758	100% Color Match
VW Group	TL 524 76	Natural

# HOSTAFORM® UV90Z XAP® 2

## HOSTAFORM®

### Stress-strain



# HOSTAFORM® UV90Z XAP®2

## HOSTAFORM®

### Secant modulus-strain

