HOSTAFORM® UV270Z XAP®2

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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^3/10min	ISO 1133
Temperature	374	°F	
Load	4.76	lb	
Molding shrinkage, parallel	2.1	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	384000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	9400	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8	%	ISO 527-1/-2
Flexural modulus	377000	psi	ISO 178
Charpy impact strength, 23°C	57.1	$ftlb/in^2$	ISO 179/1eU
Charpy notched impact strength, 23°C	2.38	$ftlb/in^2$	ISO 179/1eA
Charpy notched impact strength, -30°C	2.14	$ftlb/in^2$	ISO 179/1eA
Izod notched impact strength, 23°C	2.57	$ftlb/in^2$	ISO 180/1A

Thermal properties

Melting temperature, 10°C/min	333	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	203	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	311	°F	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	0.67	E-4/°F	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	0.667	E-4/°F	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	0.0505	lb/in^3	ISO 1183

Injection

Drying Recommended	no	
Drying Temperature	212	°F
Drying Time, Dehumidified Dryer	3 - 4	h
Processing Moisture Content	≤0.2	%
Melt Temperature Optimum	392	°F

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Min. melt temperature	374	°F
Max. melt temperature	410	°F
Max. screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	212	°F
Min. mold temperature	176	°F
Max. mold temperature	248	°F
Hold pressure range	8700 - 17400	psi
Hold Pressure Time (h is the max. wall thickness of the part in mm)	$2h^2$-3	s
Back pressure	580	psi

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

Characteristics

Processing	Injection Molding
Special characteristics	U.V. stabilized or stable to weather, High Flow, Low emissions

Additional information

Processing Notes

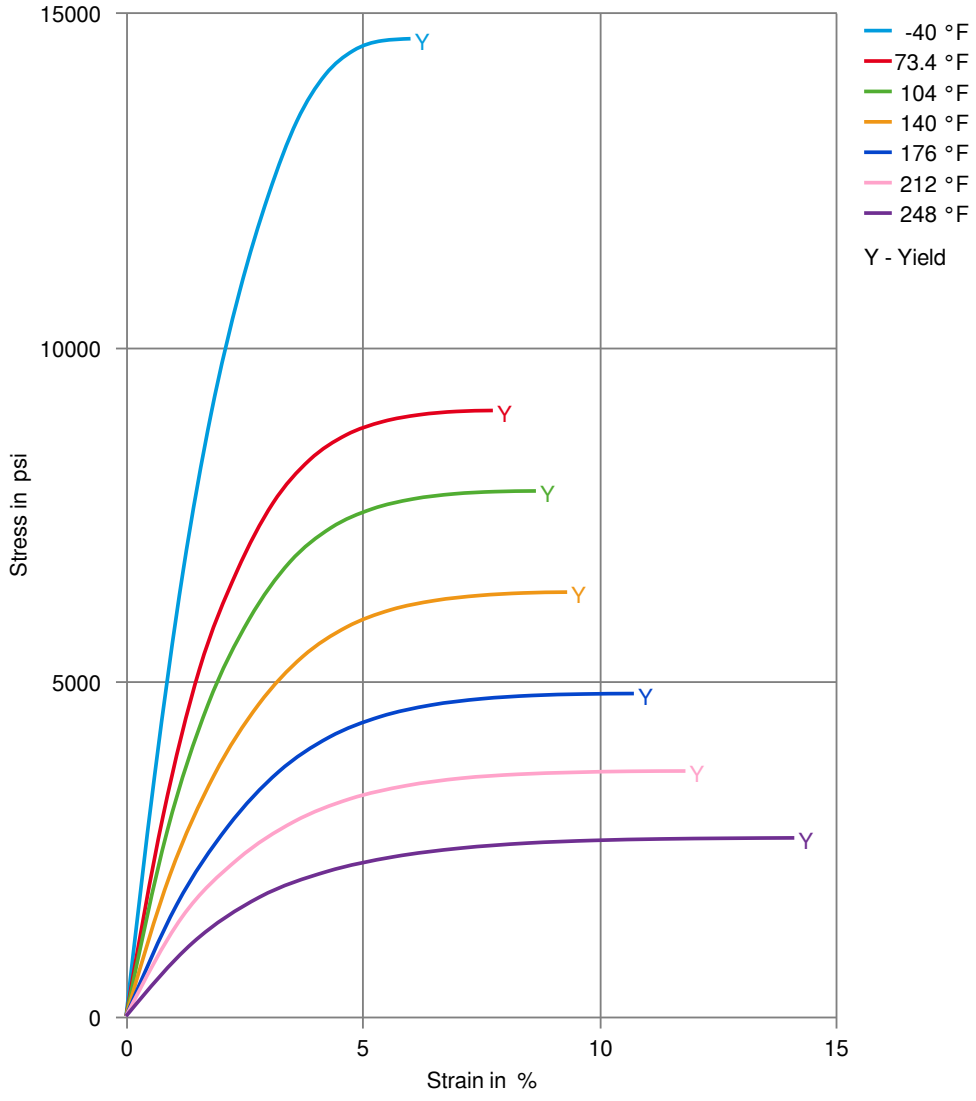
Pre-Drying

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.

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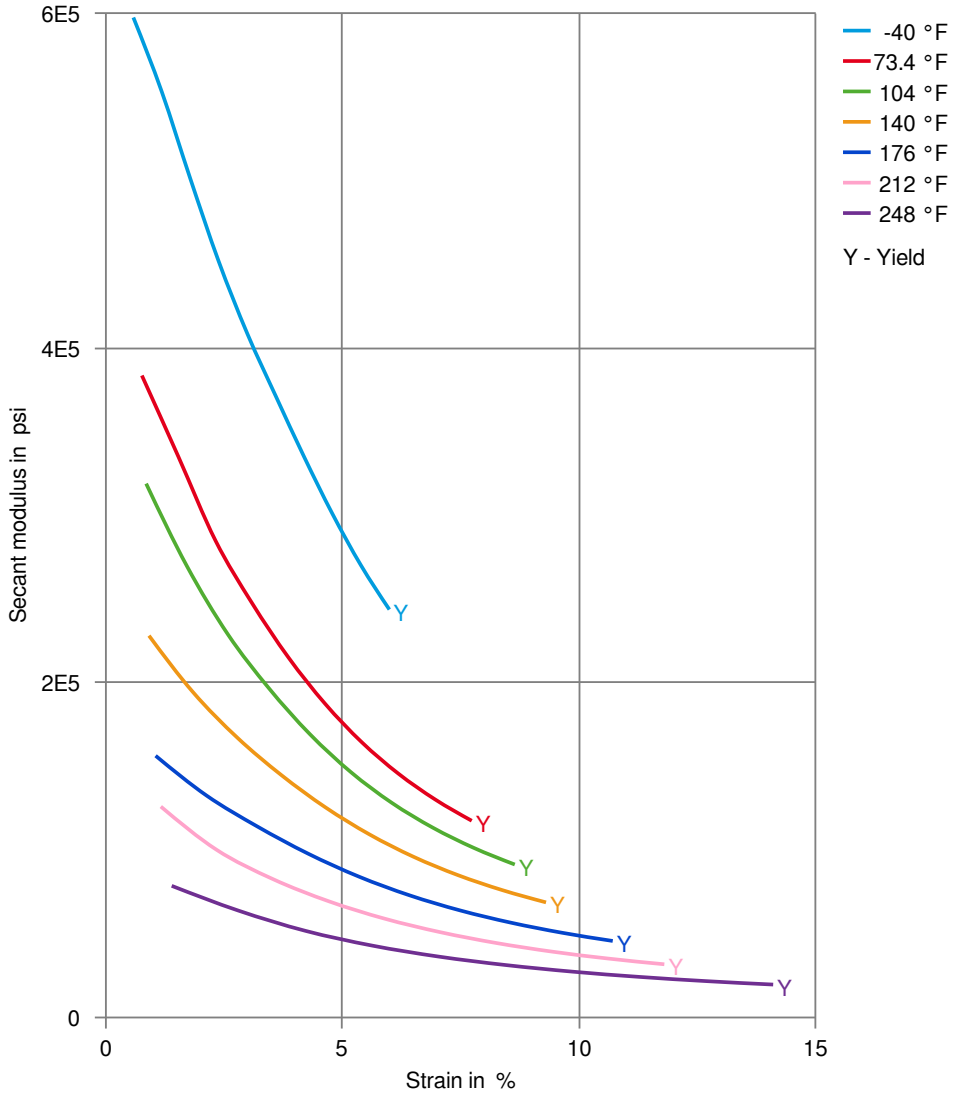
Stress-strain



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Secant modulus-strain



Revised: 2025-07-25 Source: Celanese Materials Database

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