HOSTAFORM® UV140LG XAP®

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Hostaform® acetal copolymer grade UV140LG XAP® is a specialty grade of acetal copolymer formulated to provide good flow with a low gloss finish and a UV stability necessary for interior automotive applications. In addition, Hostaform® UV140LG XAP® exhibits low emissions for automotive interiors. Low emission Performance [VDA 275] <10 PPM

Product information

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

Rheological properties

Melt volume-flow rate	13	cm^3/10min	ISO 1133
Temperature	374	°F	
Load	4.76	lb	
Molding shrinkage, parallel	2.0	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	305000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	7000	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10	%	ISO 527-1/-2
Charpy notched impact strength, 23°C	1.66	ftlb/in^2	ISO 179/1eA
Charpy notched impact strength, -30°C	1.9	ftlb/in^2	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	334	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	185	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	297	°F	ISO 75-1/-2

Physical/Other properties

Density	0.0495	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	374	°F
Min. melt temperature	356	°F
Max. melt temperature	383	°F
Max. screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	194	°F
Min. mold temperature	176	°F
Max. mold temperature	221	°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

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Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
General Motors	GMW16657P-POM	Natural

Characteristics

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

Additional information

Processing Notes

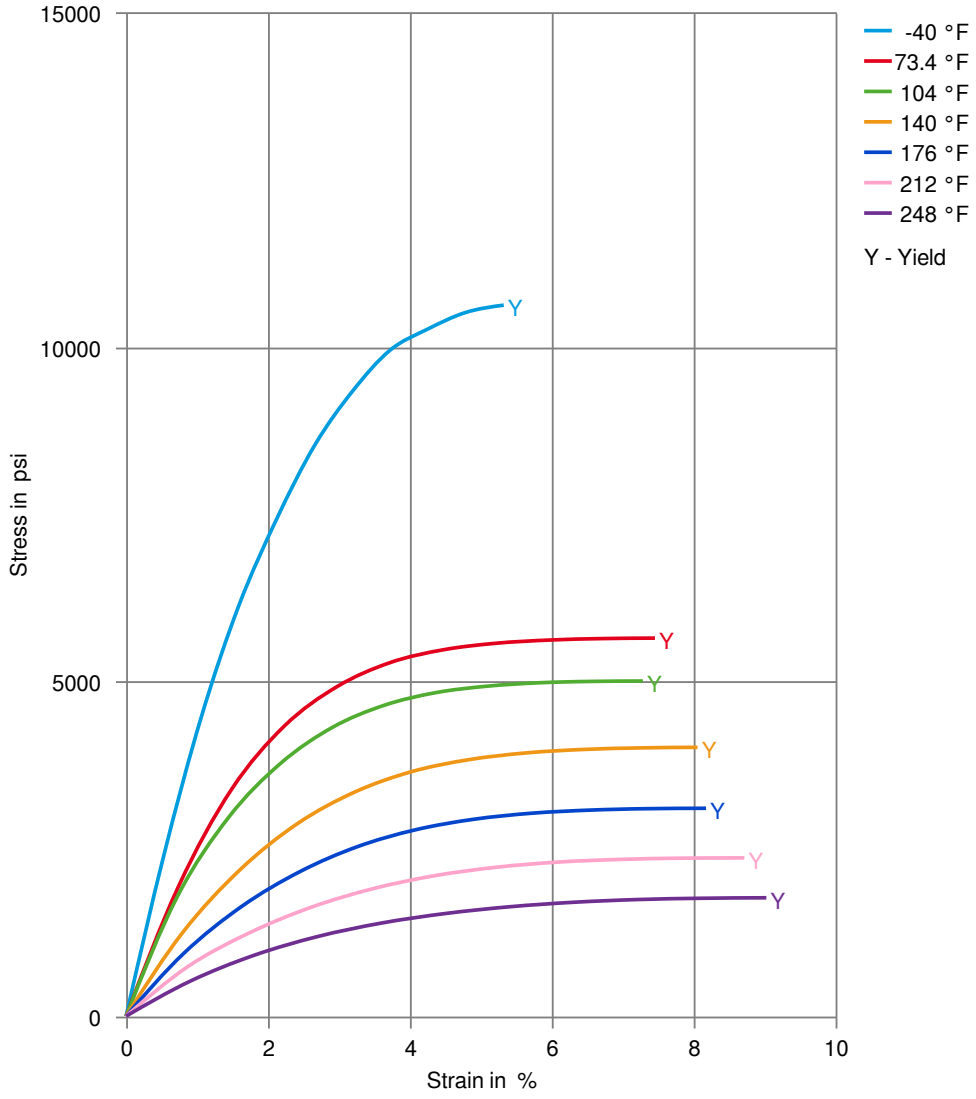
Pre-Drying

Predrying is required before processing to ensure a low gloss finish.

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Stress-strain

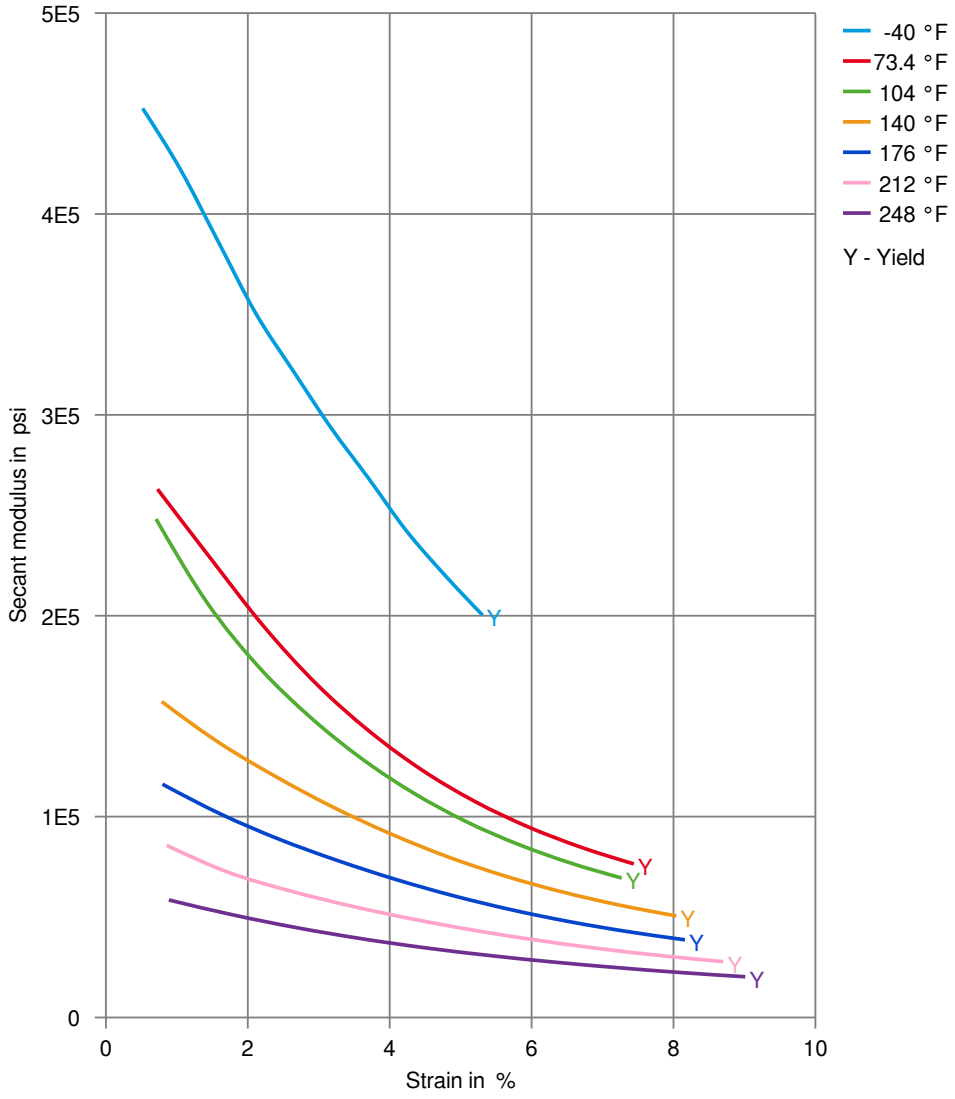


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Secant modulus-strain



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