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The chemistry inside innovation™

HOSTAFORM® UV140LG XAP®

HOSTAFORM®

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	190	°C	
Load	2.16	kg	
Moulding shrinkage, parallel	2.0	%	ISO 294-4, 2577
Moulding shrinkage, normal	1.8	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	2100	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	48	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10	%	ISO 527-1/-2
Charpy notched impact strength, 23°C	3.5	kJ/m^2	ISO 179/1eA
Charpy notched impact strength, -30°C	4	kJ/m^2	ISO 179/1eA
Poisson's ratio	0.4[C]		

[C]: Calculated

Thermal properties

Melting temperature, 10°C/min	168	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	85	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	147	°C	ISO 75-1/-2

Physical/Other properties

Density	1370	kg/m^3	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	190	°C
Min. melt temperature	180	°C
Max. melt temperature	195	°C
Screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	90	°C
Min. mould temperature	80	°C
Max. mould temperature	105	°C
Hold pressure range	60 - 120	MPa
Back pressure	4	MPa

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Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	U.V. stabilised 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.

Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
General Motors	GMW16657P-POM	Natural

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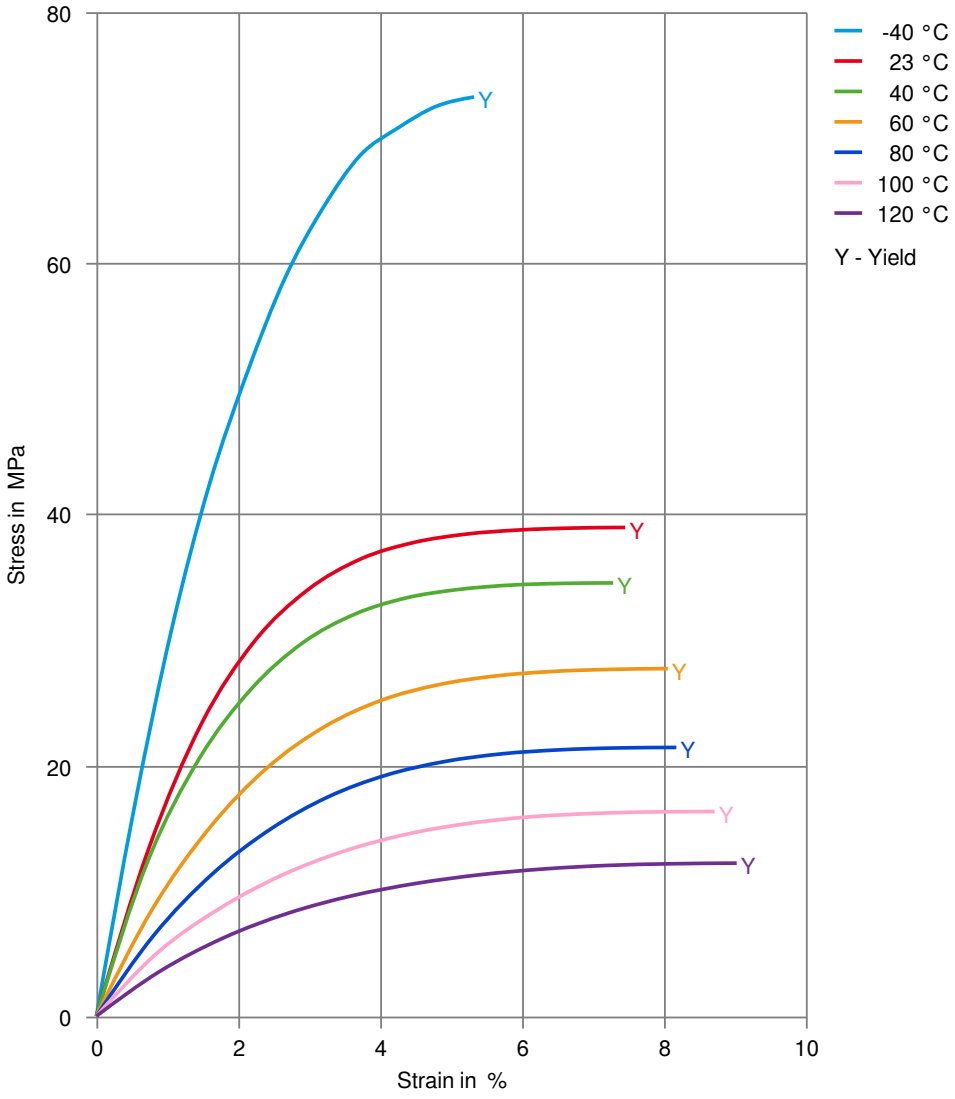
Stress-strain



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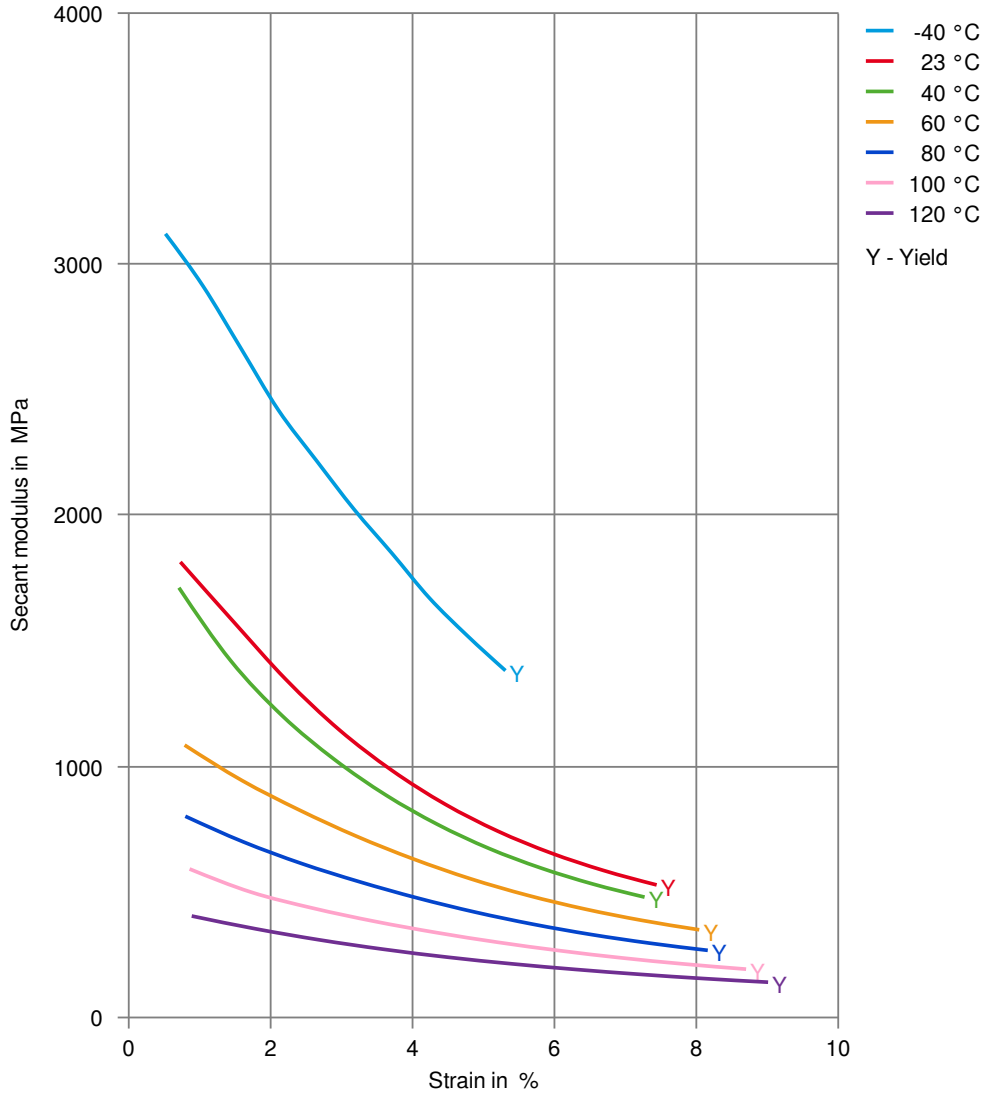
Secant modulus-strain



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