HOSTAFORM® LU-02XAP®

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Hostaform® acetal copolymer grade LU-02 XAP® is UV stabilized material displaying a reduced gloss over standard UV acetal grades similar to LU-02. However, Hostaform® LU-02XAP® has lower volatile emissions as required for some automotive interiors.

Product information

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

Rheological properties

Melt volume-flow rate	20	cm^3/10min	ISO 1133
Temperature	374	°F	
Load	4.76	lb	
Molding shrinkage range, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage range, normal	1.7	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	348000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	8100	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	9	%	ISO 527-1/-2
Flexural modulus	341000	psi	ISO 178
Flexural stress at 3.5%	9140	psi	ISO 178
Charpy notched impact strength, 23°C	1.66	$ftlb/in^2$	ISO 179/1eA
Charpy notched impact strength, -30°C	1.52	$ftlb/in^2$	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	331	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	194	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	306	°F	ISO 75-1/-2

Physical/Other properties

Density	0.0502	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

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Back pressure	580 psi

Automotive

OEM	ADDITIONAL INFORMATION
Honda	Np spec listed, special part approval
Mazda	No Spec, special part approval

Characteristics

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

Additional information

Processing Notes

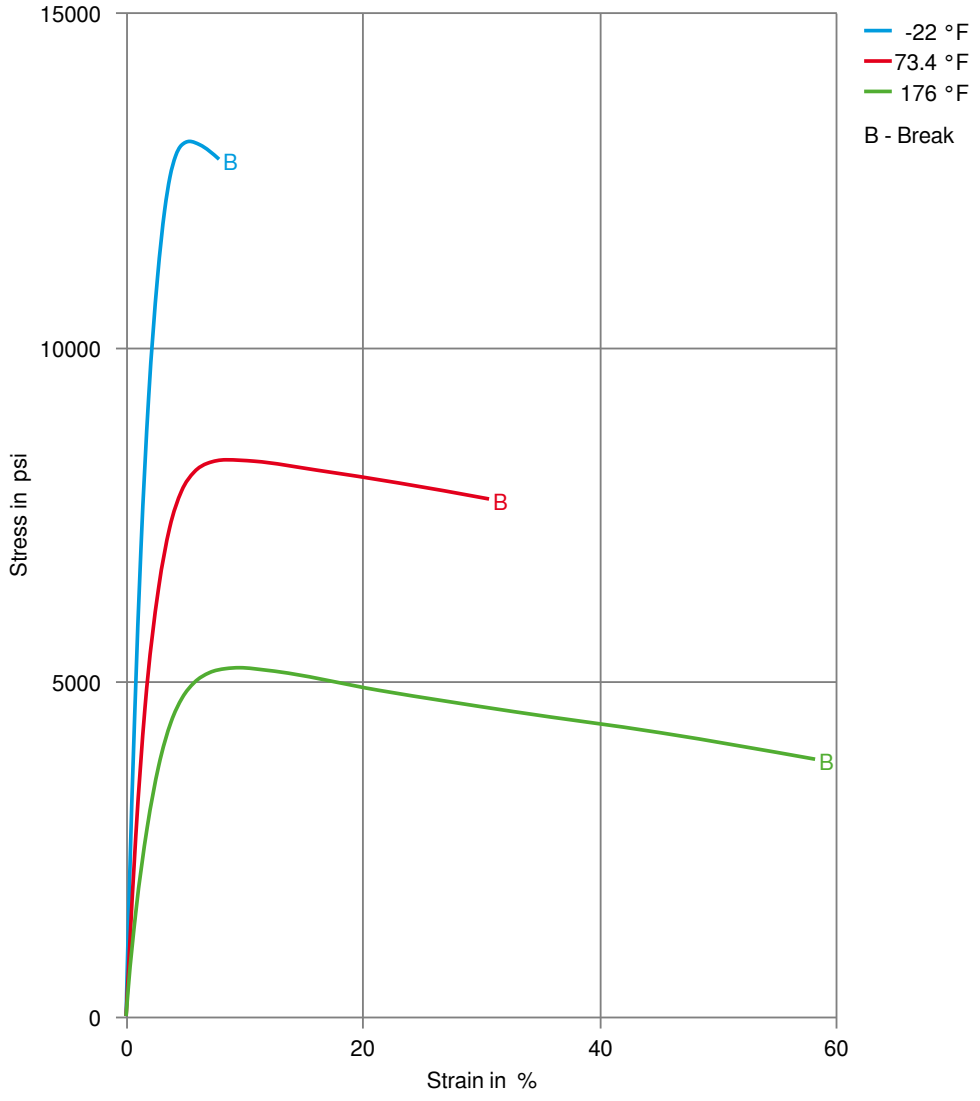
Pre-Drying

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

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Stress-strain

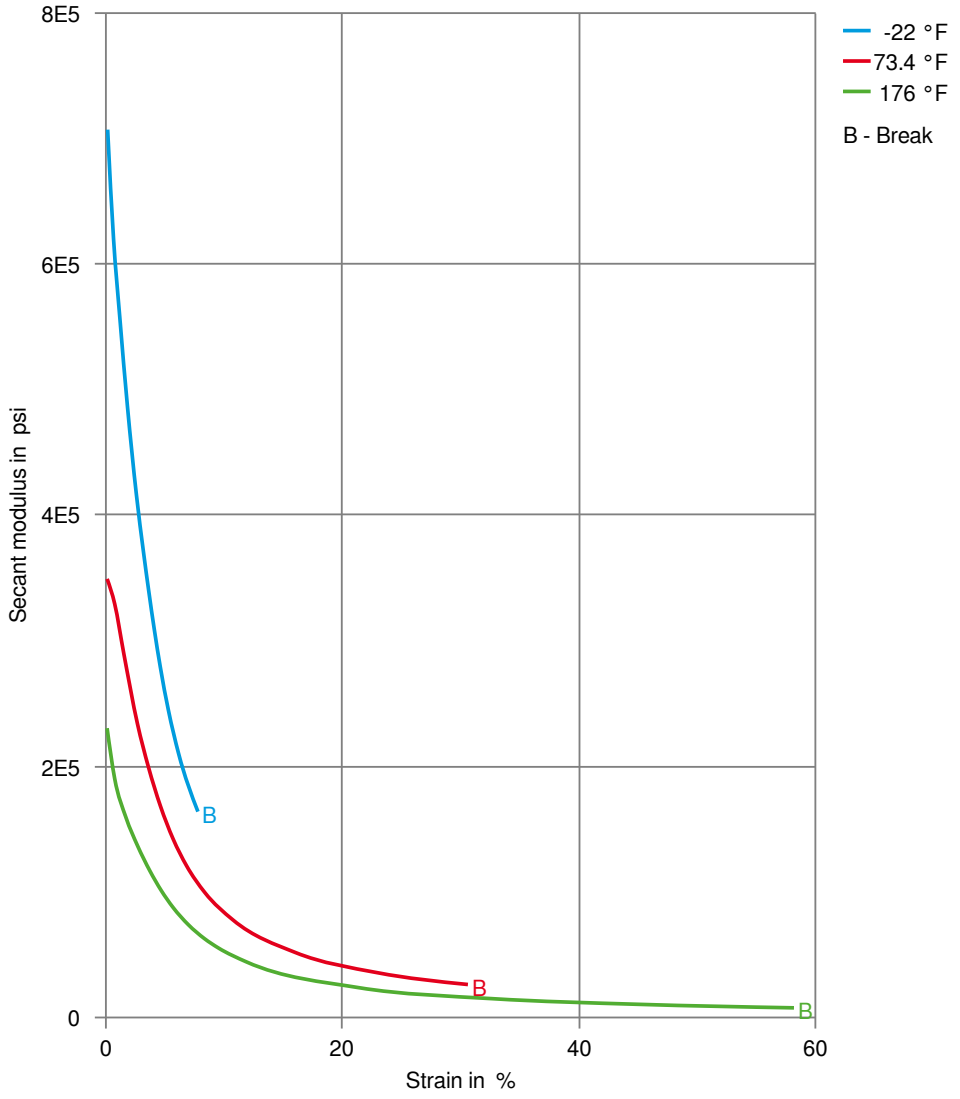


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Secant modulus-strain



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