HOSTAFORM® LU-02XAP®

reduced gloss, low emission, UV resistant grade
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.

Rheological properties

Melt volume-flow rate	20	cm^3/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Moulding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Moulding shrinkage, normal	1.7	%	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	2400	MPa	ISO 527-1/-2
Yield stress, 50mm/min	56	MPa	ISO 527-1/-2
Yield strain, 50mm/min	9	%	ISO 527-1/-2
Flexural Modulus	2350	MPa	ISO 178
Flexural Stress at 3.5%	63	MPa	ISO 178
Charpy notched impact strength, 23°C	3.5	kJ/m^2	ISO 179/1eA
Charpy notched impact strength, -30°C	3.2	kJ/m^2	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	90	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	152	°C	ISO 75-1/-2

Other properties

Density	1390	kg/m^3	ISO 1183

Injection

Drying Temperature	100 - 120	°C
Drying Time, Dehumidified Dryer	3 - 4	h
Max. mould temperature	80 - 105	°C
Back pressure	4	MPa
Injection speed	slow	

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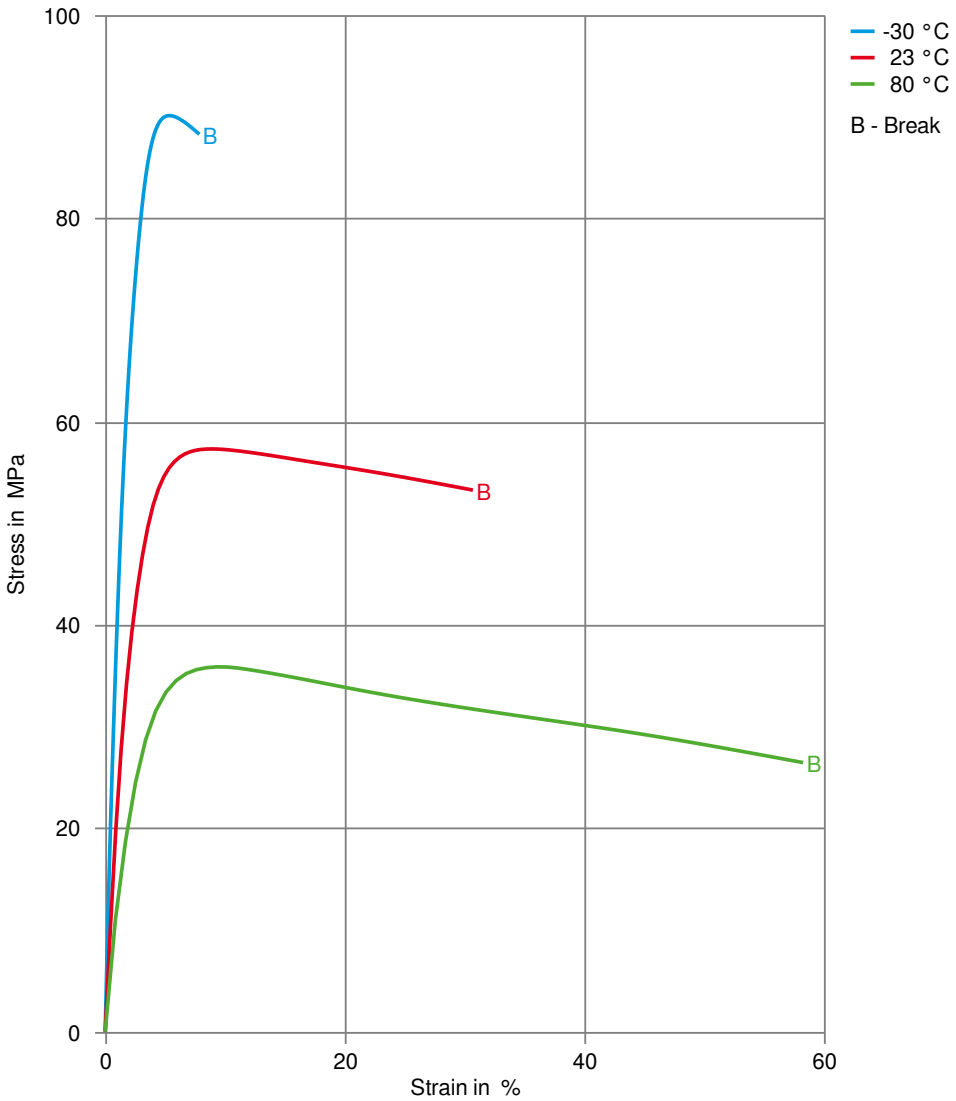
Stress-strain



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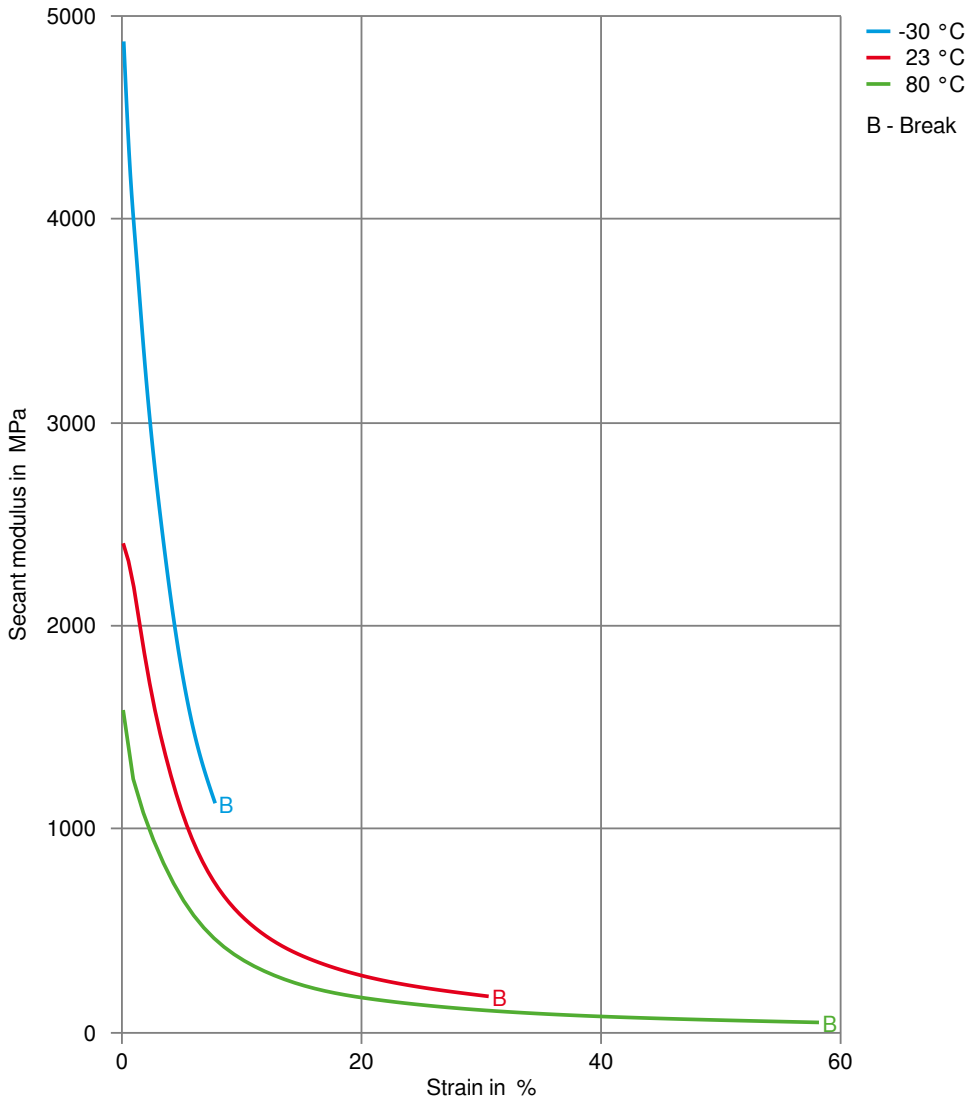
Secant modulus-strain



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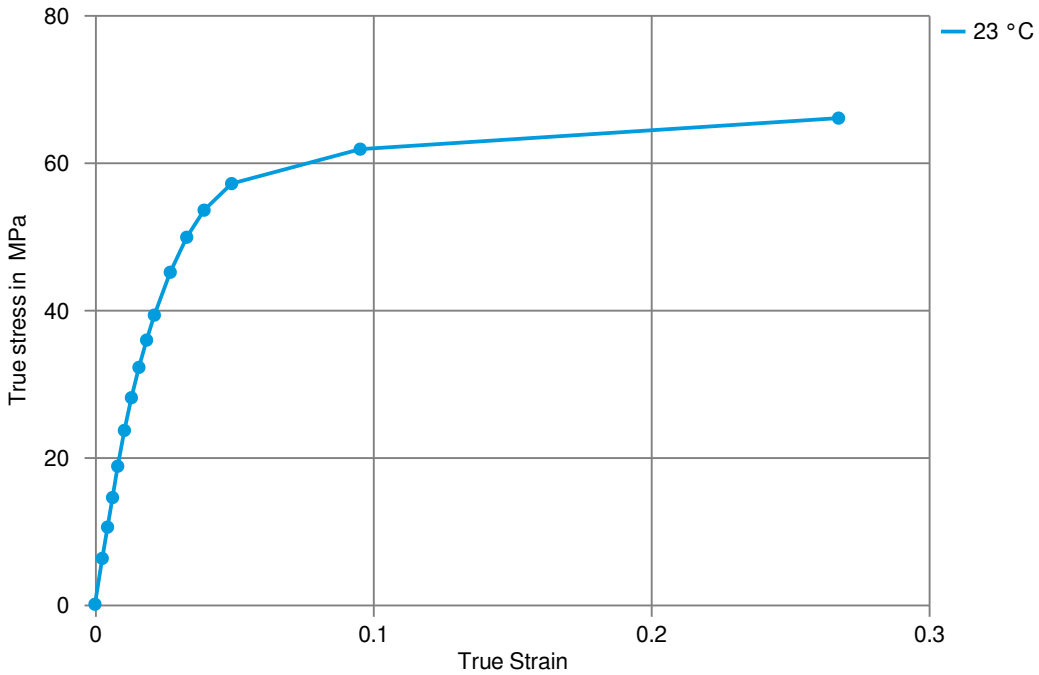
True stress-strain



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Processing Texts

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

Other Approvals

Other Approvals

OEM	Specification	Additional Information
Honda		Color approved

Revised: 2023-02-23 Source: Celanese Materials Database