

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 range, parallel	1.9 %	ISO 294-4, 2577
Moulding shrinkage range, 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
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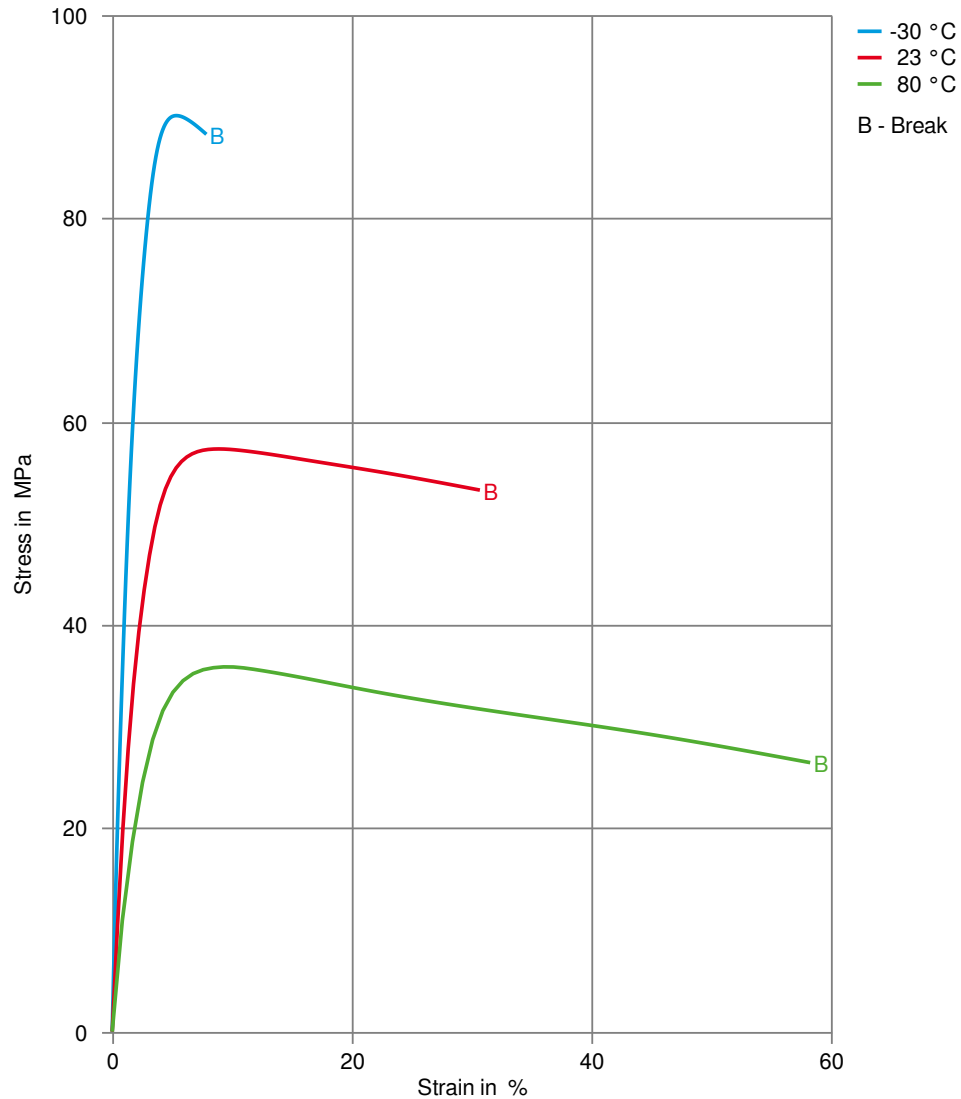
Injection

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



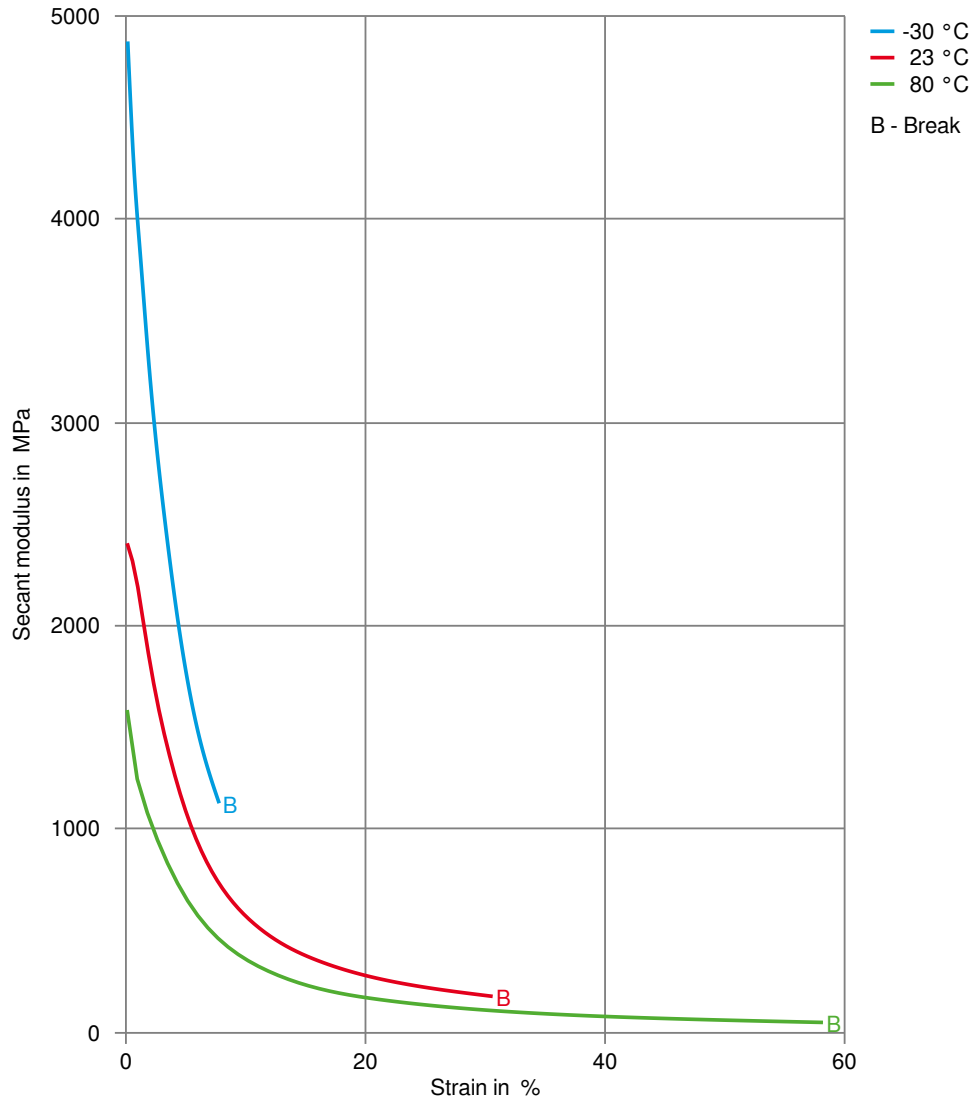
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Stress-strain



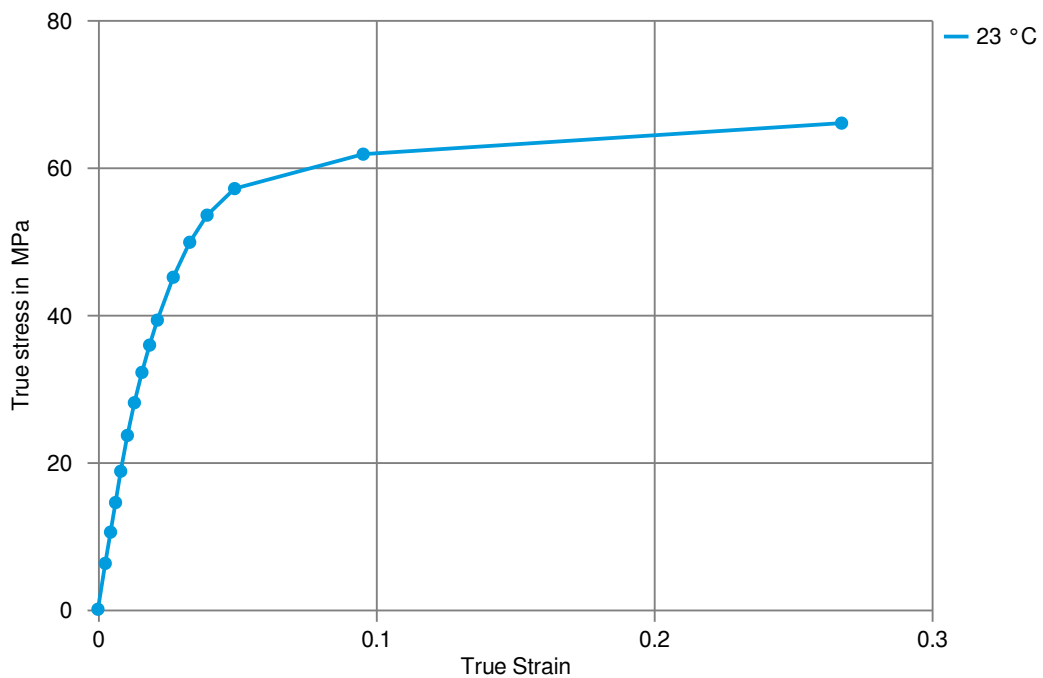
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Secant modulus-strain



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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

