

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	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
Tensile stress at yield, 50mm/min	56 MPa	ISO 527-1/-2
Tensile strain at yield, 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
Poisson's ratio	0.38 ^[C]	

[C]: Calculated

Thermal properties

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

Physical/Other properties

Density	1390 kg/m ³	ISO 1183
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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

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Back pressure

4 MPa

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

ADDITIONAL INFORMATION

Honda

Np spec listed, special part approval

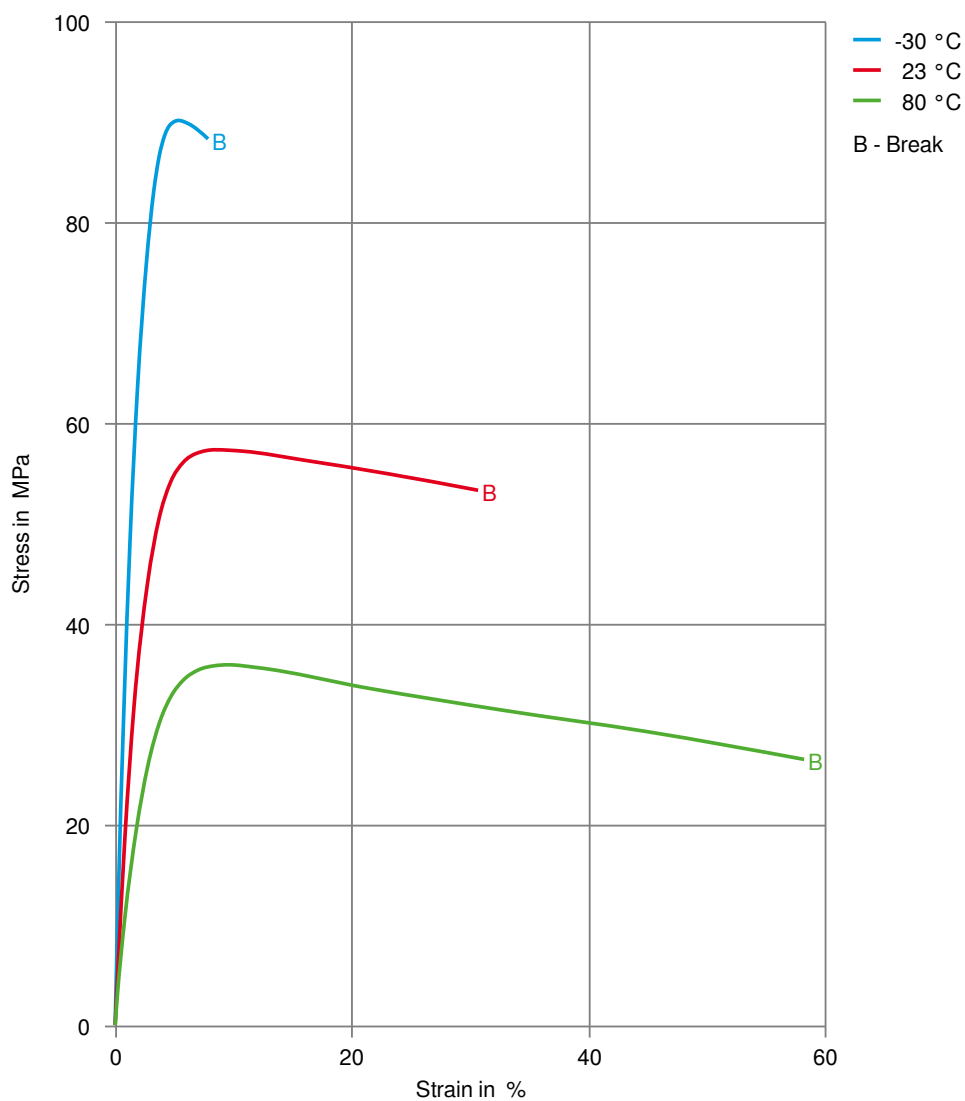
Mazda

No Spec, special part approval

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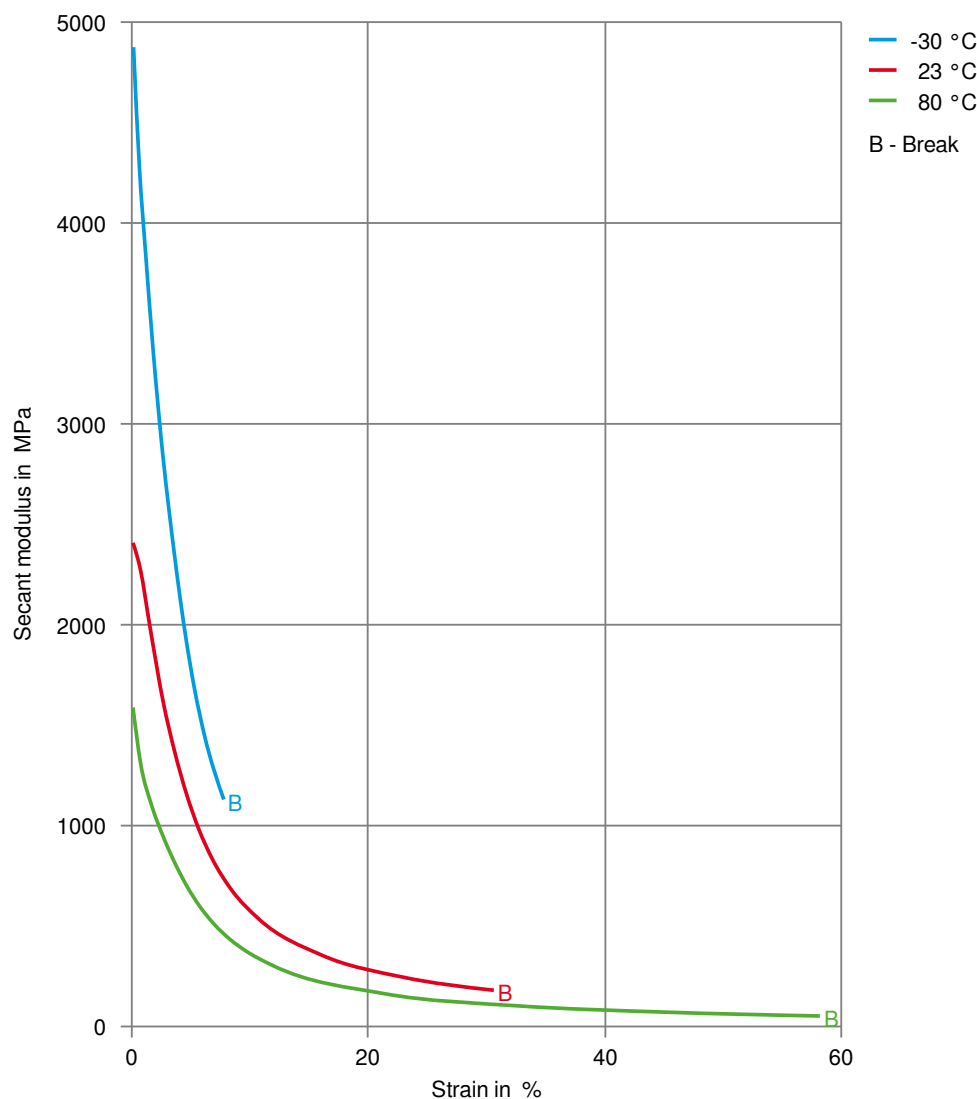
Stress-strain



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Secant modulus-strain



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