

# HOSTAFORM® C 36021

High flow, unfilled, for fast cycle & thin walls

Hostaform® C 36021 is an unfilled acetal copolymer grade formulated for high flow while retaining a good balance of mechanical properties.

Chemical abbreviation according to ISO 1043-1: POM

## Rheological properties

Melt volume-flow rate	31 cm <sup>3</sup> /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage, parallel	1.9 %	ISO 294-4, 2577
Moulding shrinkage, normal	1.8 %	ISO 294-4, 2577

## Typical mechanical properties

Tensile Modulus	2800 MPa	ISO 527-1/-2
Yield stress, 50mm/min	68 MPa	ISO 527-1/-2
Yield strain, 50mm/min	8 %	ISO 527-1/-2
Flexural Modulus	2800 MPa	ISO 178
Flexural Stress at 3.5%	76 MPa	ISO 178
Charpy notched impact strength, 23°C	5 kJ/m <sup>2</sup>	ISO 179/1eA

## Thermal properties

Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	103 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	110 E-6/K	ISO 11359-1/-2

## Other properties

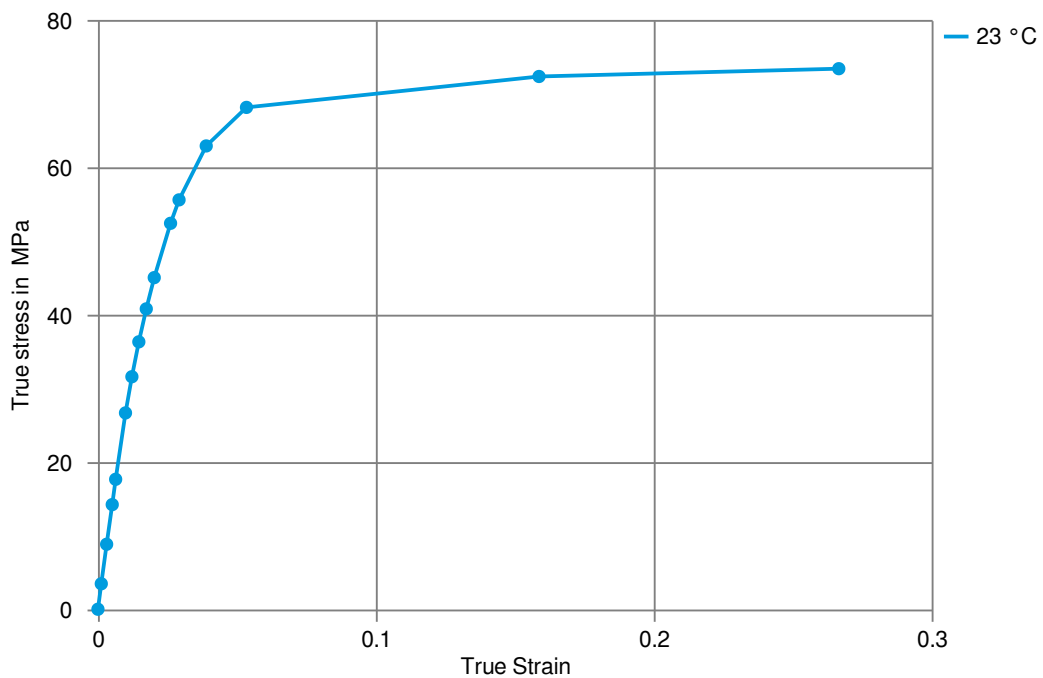
Density	1410 kg/m <sup>3</sup>	ISO 1183
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## Injection

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

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## True stress-strain



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## Processing Texts

Pre-drying	Normally not necessary to dry Hostaform. However, drying is recommended for the best surface finish.
Longer pre-drying times/storage	Product can be stored in standard conditions until processed.

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