Celanese
The chemistry inside innovation™

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^3/10min	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^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	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^3	ISO 1183

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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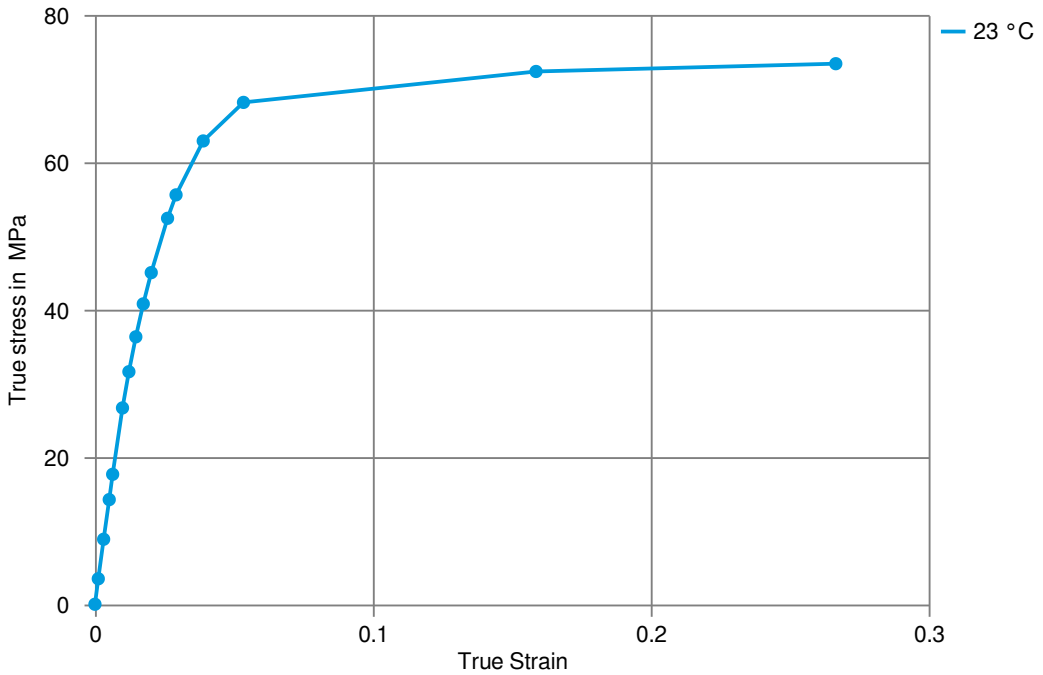
True stress-strain



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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.

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