Celanese
The chemistry inside innovation™

HOSTAFORM® C 36021

HOSTAFORM®

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

Product information

Resin Identification	POM		ISO 1043
Part Marking Code	>POM<		ISO 11469

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
Tensile stress at yield, 50mm/min	68	MPa	ISO 527-1/-2
Tensile strain at yield, 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
Poisson's ratio	0.37[C]		

[C]: Calculated

Thermal properties

Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	103	°C	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	110	E-6/K	ISO 11359-1/-2

Physical/Other properties

Density	1410	kg/m^3	ISO 1183

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	200	°C
Screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	100	°C
Min. mould temperature	80	°C
Max. mould temperature	120	°C
Hold pressure range	60 - 120	MPa
Back pressure	4	MPa

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Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	High Flow

Additional information

Processing Notes

Pre-Drying

Normally not necessary to dry Hostaform. However, drying is recommended for the best surface finish.

Storage

Product can be stored in standard conditions until processed.

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