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	374	°F	
Load	4.76	lb	
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	406000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	9900	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8	%	ISO 527-1/-2
Flexural modulus	406000	psi	ISO 178
Flexural stress at 3.5%	11000	psi	ISO 178
Charpy notched impact strength, 23°C	2.38	$ftlb/in^2$	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	331	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	217	°F	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	0.61	E-4/°F	ISO 11359-1/-2

Physical/Other properties

Density	0.0509	lb/in^3	ISO 1183

Injection

Drying Recommended	no	
Drying Temperature	212	°F
Drying Time, Dehumidified Dryer	3 - 4	h
Processing Moisture Content	≤0.2	%
Melt Temperature Optimum	374	°F
Min. melt temperature	356	°F
Max. melt temperature	392	°F
Max. screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	212	°F
Min. mold temperature	176	°F
Max. mold temperature	248	°F
Hold pressure range	8700 - 17400	psi
Hold Pressure Time (h is the max. wall thickness of the part in mm)	$2h^2$-3	s
Back pressure	580	psi

Revised: 2025-07-10 Source: Celanese Materials Database

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Characteristics

Processing	Injection Molding
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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