HOSTAFORM® SX90

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Hostaform® SX90 is an integrally colored SpeciaLX nominal 9 melt flow rate based acetal copolymer material. This grade provides a unique part appearance while retaining the mechanical performance expected from unfilled acetal copolymer grades.

Product information

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

Rheological properties

Melt volume-flow rate	8	cm^3/10min	ISO 1133
Temperature	374	°F	
Load	4.76	lb	

Typical mechanical properties

Tensile modulus	406000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	8700	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8	%	ISO 527-1/-2
Charpy notched impact strength, 23°C	1.9	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	198	°F	ISO 75-1/-2

Physical/Other properties

Density	0.0513	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	383	°F
Max. screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	239	°F
Min. mold temperature	221	°F
Max. mold temperature	266	°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	87	psi

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

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Characteristics

Processing	Injection Molding
Special characteristics	Specialty appearance

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