

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	190 °C	
Load	2.16 kg	

Typical mechanical properties

Tensile modulus	2800 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	60 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8 %	ISO 527-1/-2
Charpy notched impact strength, 23 °C	4 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	92 °C	ISO 75-1/-2

Physical/Other properties

Density	1420 kg/m ³	ISO 1183
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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	195 °C
Screw tangential speed	≤0.3 m/s
Mold Temperature Optimum	115 °C
Min. mould temperature	105 °C
Max. mould temperature	130 °C
Hold pressure range	60 - 120 MPa
Back pressure	0.6 MPa

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Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	Specialty appearance

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