HOSTAFORM® SX90Z XAP®

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Hostaform® SX90Z XAP® is an integrally colored SpeciaLX nominal 9 melt flow rate based acetal copolymer material stabilized for use where ultraviolet radiation exposure is to be encountered. The material is formulated to prevent discoloration, fading, chalking and mechanical property change in severe ultraviolet exposure. This product is formulated for the interior automotive market and other applications. Reduced emission grade. Emissions according to VDA 275 < 10 mg/kg

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	
Molding shrinkage, parallel	2.3	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	392000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	8400	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	9	%	ISO 527-1/-2
Flexural modulus	355000	psi	ISO 178
Charpy notched impact strength, 23°C	2.14	$ftlb/in^2$	ISO 179/1eA
Poisson's ratio	0.37		

Thermal properties

Melting temperature, 10°C/min	331	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	201	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	311	°F	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	0.76[1]	E-4/°F	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	0.744[1]	E-4/°F	ISO 11359-1/-2

[1]: Temperature range: -30°C to 100°C

Physical/Other properties

Density	0.0509	lb/in^3	ISO 1183

Injection

Drying Recommended	yes	
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

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

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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	72.5	psi

Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Stellantis	MS.502xx / POM-C.2400F.5C.MF	CPN1758 100% COLOR MATCH
Stellantis - Chrysler	MS.50095 / CPN-1758	100% Color Match

Characteristics

Processing	Injection Molding
Special characteristics	U.V. stabilized or stable to weather, Low emissions

Additional information

Processing Notes

Pre-Drying

Drying is required for this material to prevent poor appearance and performance of the part.

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