Celanese
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HOSTAFORM® SX90Z XAP®2

HOSTAFORM®

Hostaform® SX90Z XAP®2 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 < 5 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	190	°C	
Load	2.16	kg	
Moulding shrinkage, parallel	2.2	%	ISO 294-4, 2577
Moulding shrinkage, normal	2.0	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	2700	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	58	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	9	%	ISO 527-1/-2
Charpy notched impact strength, 23°C	4.5	kJ/m^2	ISO 179/1eA
Poisson's ratio	0.38[C]		

[C]: Calculated

Thermal properties

Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3

Physical/Other properties

Density	1430	kg/m^3	ISO 1183

Injection

Drying Recommended	yes	
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	0.5	MPa

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Characteristics

Processing	Injection Moulding
Special characteristics	U.V. stabilised 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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