HOSTAFORM® SX90Z XAP®

Special effect UV colors, low emission
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

Rheological properties

Melt volume-flow rate	8	cm^3/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Moulding shrinkage, parallel	2.3	%	ISO 294-4, 2577
Moulding shrinkage, normal	2.0	%	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	2700	MPa	ISO 527-1/-2
Yield stress, 50mm/min	58	MPa	ISO 527-1/-2
Yield strain, 50mm/min	9	%	ISO 527-1/-2
Flexural Modulus	2450	MPa	ISO 178
Charpy notched impact strength, 23°C	4.5	kJ/m^2	ISO 179/1eA
Poisson's ratio	0.37		

Thermal properties

Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	94	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	155	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	136	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	134	E-6/K	ISO 11359-1/-2

Other properties

Density	1410	kg/m^3	ISO 1183

Injection

Drying Temperature	100 - 120	°C
Drying Time, Dehumidified Dryer	3 - 4	h
Max. mould temperature	105 - 130	°C
Back pressure	1	MPa
Injection speed	slow-medium	

HOSTAFORM® SX90Z XAP®

Processing Texts

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

Other Approvals

Other Approvals

OEM	Specification	Additional Information
Stellantis - Chrysler	CPN 1758	Color CD35144

Revised: 2023-02-23 Source: Celanese Materials Database