

Hostaform® SXT90Z-01 XAP

Acetal (POM) Copolymer

Celanese Corporation

Message:

Hostaform® acetal copolymer grade SXT90Z-01 XAP is UV stabilized, impact modified material available in a range of colors for automotive interior applications plus meets the typical low emission requirements of the automotive market.

Chemical abbreviation according to ISO 1043-1: POM-HI

Low emission performance (VDA 275) < 10 ppm

General Information			
Additive	Impact modifier		
	UV stabilizer		
Features	Impact modification		
	Low volatilization		
Uses	Application in Automobile Field		
	Car interior parts		
RoHS Compliance	Contact manufacturer		
Appearance	Available colors		
Resin ID (ISO 1043)	POM-HI		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	7.00	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.65	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	49.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	12	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	ISO 179/1eA
23°C	11	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	166	°C	ISO 11357-3
Injection	Nominal Value	Unit	

Drying Temperature	80.0 - 100	°C
Drying Time	3.0	hr
Rear Temperature	170 - 180	°C
Middle Temperature	180 - 190	°C
Front Temperature	180 - 190	°C
Nozzle Temperature	180 - 200	°C
Processing (Melt) Temp	180 - 200	°C
Mold Temperature	60.0 - 70.0	°C
Injection Pressure	60.0 - 120	MPa
Injection Rate	Slow	
Holding Pressure	60.0 - 120	MPa
Back Pressure	0.00 - 0.500	MPa
Injection instructions		
Zone 4 Temperature: 180 to 200°C		
NOTE		
1.	10°C/min	

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