Hostaform® SXT90Z-01 XAP

Celanese Corporation - Acetal (POM) Copolymer

Sunday, November 3, 2019

General Information

Product Description

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			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Impact Modifier	• UV Stabilizer	
Features	• Impact Modified	• Low Emissions	• UV Stabilized
Uses	• Automotive Applications	• Automotive Interior Parts	
RoHS Compliance	• Contact Manufacturer		
Appearance	• Colors Available		
Resin ID (ISO 1043)	• POM-HI		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	7.00	cm³/10min	ISO 1133
Water Absorption (Saturation, 73°F)	0.65	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	276000	psi	ISO 527-2/1A
Tensile Stress (Yield)	7110	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	12	%	ISO 527-2/1A/50
Flexural Modulus (73°F)	268000	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	3.3	ft·lb/in²	
73°F	5.2	ft·lb/in²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	No Break		
73°F	No Break		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature [2]	331	°F	ISO 11357-3

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	212 to 248	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	338 to 356	°F
Middle Temperature	356 to 374	°F
Front Temperature	356 to 374	°F
Nozzle Temperature	356 to 392	°F

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Injection	Nominal Value	Unit
Processing (Melt) Temp	356 to 392	°F
Mold Temperature	140 to 158	°F
Injection Rate	Slow	
Back Pressure	< 290	psi

Injection Notes

Zone4 temperature: 180 to 200°C

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 10°C/min