



Hostaform® SXT90Z-02 XAP

Celanese Corporation - Acetal (POM) Copolymer

Sunday, November 3, 2019

General Information

Product Description

Hostaform® acetal copolymer grade SXT90Z-02 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	1.36	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	4.00	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 73°F)	0.65	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	218000	psi	ISO 527-2/1A
Tensile Stress (Yield)	5950	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	13	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	3.8	ft·lb/in ²	
73°F	6.2	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	No Break		
73°F	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	149	°F	ISO 75-2/A
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