



# Hostaform® UV90Z XAP2™

## Celanese Corporation - Acetal (POM) Copolymer

Sunday, November 3, 2019

### General Information

#### Product Description

Preliminary Data Sheet Hostaform® acetal copolymer grade UV90Z XAP2 TM is a UV stabilized material available in a range of colors generally for automotive interior applications. In addition, Hostaform® UV90Z XAP2 TM has lower emissions as required for some automotive interiors. Low Emission Performance [VDA-275] <5 PPM

#### General

Material Status	• Experimental: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• UV Stabilizer		
Features	• Low Emissions	• UV Stabilized	
Uses	• Automotive Applications	• Automotive Interior Parts	
Appearance	• Colors Available		

### ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.00	cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.7	%	
Flow	2.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	384000	psi	ISO 527-2/1A
Tensile Stress (Yield)	9280	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	1.9	ft·lb/in <sup>2</sup>	
73°F	2.4	ft·lb/in <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	194	°F	ISO 75-2/A
Melting Temperature <sup>2</sup>	333	°F	ISO 11357-3
CLTE - Flow	5.0E-5	in/in/°F	ISO 11359-2
CLTE - Transverse	6.1E-5	in/in/°F	ISO 11359-2

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	212 to 248	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	329 to 347	°F
Middle Temperature	338 to 356	°F
Front Temperature	338 to 356	°F
Nozzle Temperature	356 to 374	°F
Processing (Melt) Temp	356 to 374	°F

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Injection	Nominal Value	Unit
Mold Temperature	176 to 248	°F
Injection Rate	Slow-Moderate	
Back Pressure	< 580	psi

### Injection Notes

Zone4 temperature: 175 to 185°C

Hot runner temperature: 180 to 200°C

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 10°C/min