

Hostaform® UV90Z XAP2™

Polyphenylene Sulfide

Celanese Corporation

Message:

Preliminary Data Sheet

Hostaform® acetal copolymer grade UV90Z XAP2™ is a UV stabilized material available in a range of colors generally for automotive interior applications. In addition, Hostaform® UV90Z XAP2™ has lower emissions as required for some automotive interiors.

Low Emission Performance [VDA-275] <5 PPM

General Information			
Additive	UV stabilizer		
Features	Low volatilization		
	Copolymer		
Uses	Application in Automobile Field		
	Car interior parts		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Transverse flow	1.7	%	ISO 294-4
Flow	2.0	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2650	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	64.0	MPa	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
-30°C	4.0	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Melting Temperature ¹	167	°C	ISO 11357-3
Linear thermal expansion coefficient			ISO 11359-2
Flow	9.0E-5	cm/cm/°C	ISO 11359-2
Lateral	1.1E-4	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	140	°C	
Drying Time	2.0	hr	

Rear Temperature	165 - 175	°C
Middle Temperature	170 - 180	°C
Front Temperature	170 - 180	°C
Nozzle Temperature	180 - 190	°C
Processing (Melt) Temp	180 - 190	°C
Mold Temperature	80 - 120	°C
Injection Pressure	60.0 - 120	MPa
Injection Rate	Slow-Moderate	
Holding Pressure	60.0 - 120	MPa
Back Pressure	0.00 - 4.00	MPa

Injection instructions

Manifold Temperature: 180 to 200°C Zone 4 Temperature: 175 to 185°C

NOTE

1. 10°C/min

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