

Hostaform® LU-02XAP®

Acetal (POM) Copolymer

Celanese Corporation

Message:

Hostaform® acetal copolymer grade LU-02 XAP® is UV stabilized material displaying a reduced gloss over standard UV acetal grades similar to LU-02. However, Hostaform® LU-02XAP® has lower volatile emissions as required for some automotive interiors.

General Information			
Additive	UV stabilizer		
Features	Low volatilization		
	Gloss, low		
	Good UV resistance		
Uses	Application in Automobile Field		
RoHS Compliance	Contact manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	20.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.7	%	ISO 294-4
Flow direction	1.9	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	56.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/1A/50
Flexural Modulus (23°C)	2350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	152	°C	ISO 75-2/B
1.8 MPa, not annealed	90.0	°C	ISO 75-2/A
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 - 175	°C	
Middle Temperature	170 - 180	°C	
Front Temperature	175 - 185	°C	
Nozzle Temperature	185 - 195	°C	

Processing (Melt) Temp	180 - 195	°C
Mold Temperature	80.0 - 105	°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 190°C

NOTE

1. 10°C/min

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Recommended distributors for this material

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