



Hostaform® LU-02XAP®

Celanese Corporation - Acetal (POM) Copolymer

Saturday, November 2, 2019

General Information

Product Description

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

Material Status	• Commercial: 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	
RoHS Compliance	• Contact Manufacturer		

ASTM & ISO Properties ¹

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	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.7	%	
Flow	1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	348000	psi	ISO 527-2/1A
Tensile Stress (Yield)	8120	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/1A/50
Flexural Modulus (73°F)	341000	psi	ISO 178
Flexural Stress (3.5% Strain)	9140	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.7	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	306	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	194	°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 347	°F
Middle Temperature	338 to 356	°F
Front Temperature	347 to 365	°F
Nozzle Temperature	365 to 383	°F
Processing (Melt) Temp	356 to 383	°F
Mold Temperature	176 to 221	°F
Injection Rate		Slow

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Injection	Nominal Value	Unit
Back Pressure	< 580	psi
Injection Notes		
Zone4 temperature: 180 to 190°C		

Notes

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

² 10°C/min