

Hostaform® LX90

Acetal (POM) Copolymer

Celanese Corporation

Message:

Preliminary Data Sheet

Hostaform® LX90 specialty metallic appearance grades are an integrally colored nominal 9 melt flow rate based acetal copolymer material formulated to provide an exceptional molded in metallic appearance. This product is available in many metallic molded-in-colors.

Besides material, optimal finish for specialty metallic parts is dependent on proper drying, gate design, knit line locations, and special processing. Please contact Celanese Technical Service for assistance with your application.

General Information			
Features	General		
Uses	General		
RoHS Compliance	Contact manufacturer		
Appearance	Metallization-dyeing		
	Available colors		

Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.75	%	ISO 62

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	56.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	10	%	ISO 527-2/1A/50
Flexural Modulus (23°C)	2700	MPa	ISO 178

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)	88.0	°C	ISO 75-2/A
Melting Temperature ¹	166	°C	ISO 11357-3

Injection	Nominal Value	Unit
Drying Temperature	105 - 110	°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

Manifold Temperature: 180 to 200°CZone 4 Temperature: 180 to 190°C

NOTE

1.
- 10°C/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

