

Hostaform® LM140LGZ

Acetal (POM) Copolymer

Celanese Corporation

Message:

Hostaform® acetal copolymer grade LM140LGZ is a laser markable specialty grade of acetal copolymer formulated to provide good flow with a low gloss finish and improved UV resistance.

Preliminary Data Sheet

General Information			
Features	Gloss, low		
	Laser marking		
	Good UV resistance		
	Good liquidity		
RoHS Compliance		Contact manufacturer	
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	13.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	41.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	10	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Melting Temperature ¹	166	°C	ISO 11357-3
Linear thermal expansion coefficient			ISO 11359-2
Flow	1.3E-4	cm/cm/°C	ISO 11359-2
Lateral	1.3E-4	cm/cm/°C	ISO 11359-2
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

Zone 4 Temperature: 180 to 190°C

NOTE

1. 10°C/min

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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



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