

Hostaform® MR130HPB

Acetal (POM) Copolymer

Celanese Corporation

Message:

Preliminary Data Sheet

Hostaform® MR130HPB acetal copolymer is a high modulus, improved toughness grade based on our Hostaform® C 13031 product but specially formulated with improved resistance to intermittent bleach exposure.

General Information			
Features	Rigidity, high		
	Good toughness		
RoHS Compliance		Contact manufacturer	
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	13.0	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	69.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/1A/50
Flexural Modulus (23°C)	3000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	6.0	kJ/m ²	ISO 179/1eA
23°C	6.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	107	°C	ISO 75-2/A
Melting Temperature ¹	170	°C	ISO 11357-3
Linear thermal expansion coefficient			ISO 11359-2
Flow	1.2E-4	cm/cm/°C	ISO 11359-2
Lateral	1.2E-4	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	100 - 120	°C	
Drying Time	3.0 - 4.0	hr	
Hopper Temperature	20.0 - 30.0	°C	
Rear Temperature	170 - 180	°C	
Middle Temperature	180 - 190	°C	
Front Temperature	180 - 200	°C	

Nozzle Temperature	180 - 210	°C
Processing (Melt) Temp	190 - 210	°C
Mold Temperature	80.0 - 120	°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: 190 to 210°C Zone 4 Temperature: 180 to 210°C Feed Temperature: 60 to 80°C

NOTE

1. 10°C/min

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