



HOSTAFORM® MR130HPB

HOSTAFORM®

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.

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Resin Identification Part Marking Code	POM >POM<		ISO 1043 ISO 11469
•	>1 OW.		100 11403
Rheological properties			
Melt volume-flow rate	13	cm ³ /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Typical mechanical properties			
Tensile modulus	3100	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	69	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	9	%	ISO 527-1/-2
Flexural modulus	3000	MPa	ISO 178
Flexural strength		MPa	ISO 178
Charpy notched impact strength, 23°C		kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C		kJ/m ²	ISO 179/1eA
Poisson's ratio	0.37 ^[C]		
[C]: Calculated			
Thermal properties			
Melting temperature, 10°C/min	170	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	107	°C	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	120	E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE),	120	E-6/K	ISO 11359-1/-2
normal	120	2 0/11	100 11000 17 2
Physical/Other properties			
Humidity absorption, 2mm	0.25	%	Sim. to ISO 62
Water absorption, 2mm	0.8	%	Sim. to ISO 62
Density	1410	kg/m³	ISO 1183
Injection			
Drying Recommended	no		
Drying Temperature	100	°C	
Drying Time, Dehumidified Dryer	3 - 4	h	
Processing Moisture Content	≤0.2		
Melt Temperature Optimum	200		
Min. melt temperature	190		
Max. melt temperature	210		
Screw tangential speed	≤0.3	m/s	

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100 °C

80 °C

120 °C

Revised: 2024-07-08 Source: Celanese Materials Database

Mold Temperature Optimum

Min. mould temperature Max. mould temperature





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Hold pressure range 60 - 120 MPa Back pressure 4 MPa

Characteristics

Processing Injection Moulding

Delivery form Pellets

Special characteristics Chemical resistant

Additional information

Processing Notes Pre-Drying

Drying not normally required. If material has contacted moisture through improper storage, handling, or regrind use, drying may be needed to prevent splay and odor.

Storage

The product can then be stored in standard conditions until processed.

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