

HOSTAFORM® MR130HPB

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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.

Product information

Resin Identification	POM	ISO 1043
Part Marking Code	>POM<	ISO 11469

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	80 MPa	ISO 178
Charpy notched impact strength, 23 °C	6.5 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30 °C	6 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), normal	120 E-6/K	ISO 11359-1/-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/m ³	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 °C
Min. melt temperature	190 °C
Max. melt temperature	210 °C
Screw tangential speed	≤0.3 m/s
Mold Temperature Optimum	100 °C
Min. mould temperature	80 °C
Max. mould temperature	120 °C

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Hold pressure range
Back pressure

60 - 120 MPa
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.