

HOSTAFORM® MR130HPB

Media resistant - bleach, high modulus grade

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.

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
Yield stress, 50mm/min	69 MPa	ISO 527-1/-2
Yield strain, 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

Thermal properties

Melting temperature, 10°C/min	170 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	107 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120 E-6/K	ISO 11359-1/-2

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 Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Max. mould temperature	80 - 120 °C
Back pressure	4 MPa
Injection speed	slow

Processing Texts

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.

Longer pre-drying times/storage The product can then be stored in standard conditions until processed.

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