

HOSTAFORM® MR130AR (PRELIMINARY)

POM, Media Resistant

Hostaform® MR130AR is an acetal copolymer.

This material is modified to have delayed deterioration against highly acidic solutions, including automotive wheel cleaner solutions.

It may have a longer delay of deterioration against acidic solutions compared with Hostaform® MR130ACS.

In natural form, this material has a tan to yellow hue.

Rheological properties

Melt volume-flow rate	15 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage range, parallel	2.0 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.9 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	3150 MPa	ISO 527-1/-2
Yield stress, 50mm/min	59 MPa	ISO 527-1/-2
Yield strain, 50mm/min	11 %	ISO 527-1/-2
Charpy notched impact strength, 23°C	7 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6.5 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.411	

Thermal properties

Melting temperature, 10°C/min	171 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	95 °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

Water absorption, 2mm	0.6 %	Sim. to ISO 62
Density	1450 kg/m ³	ISO 1183

Injection

Drying Temperature	110 - 130 °C	
Drying Time, Dehumidified Dryer	2 - 4 h	
Melt Temperature Optimum	185 °C	Internal
Max. mould temperature	90 - 120 °C	
Back pressure	4 MPa	
Injection speed	slow-medium	



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Processing Texts

Pre-drying

Pre-drying is required.

Other Approvals

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OEM	Specification	Additional Information
Stellantis - Chrysler	CPN 5310	Full Approval ASTM D6778 POM 0240B59340KN 025, Florence, KY

