



## HOSTAFORM® MR130AR

## **HOSTAFORM®**

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.

### Product information

Resin Identification	POM		ISO 1043
Part Marking Code	>POM<		ISO 11469
Rheological properties			
Melt volume-flow rate	15	cm <sup>3</sup> /10min	ISO 1133
Temperature	190		
Load	2.16	kg	
Moulding shrinkage range, parallel	2	%	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
Tensile stress at yield, 50mm/min	59	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	11		ISO 527-1/-2
Charpy notched impact strength, 23°C		kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C		kJ/m²	ISO 179/1eA
Poisson's ratio	0.411		
Thermal properties			
Melting temperature, 10°C/min	171	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa		°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			
Water absorption, 2mm	0.6	%	Sim. to ISO 62
Density	1450	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	190		
Min. melt temperature	180		
Max. melt temperature	200		
Screw tangential speed  Mold Temperature Optimum	≤0.3 105	· -	
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### **HOSTAFORM®**

Min. mould temperature90 °CMax. mould temperature120 °CHold pressure range60 - 120 MPaBack pressure4 MPaEjection temperature134 °C

#### Characteristics

Processing Injection Moulding

Delivery form Pellets

Special characteristics Chemical resistant

Additional information

Processing Notes Pre-Drying

Pre-drying is required.

#### **Automotive**

OEM STANDARD ADDITIONAL INFORMATION

General Motors GMW18052P-POM Natural Material Without UV or Weathering

Stabilizers

Stellantis MS.50095 / POM-C.2900F.8I.AR CPN5310 NATURAL;Full approval granted

Stellantis - Chrysler MS.50095 / CPN-5310 Natural; Full approval granted

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