

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, parallel	2.0	%	ISO 294-4, 2577
Moulding shrinkage, 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
Shear Modulus	1090	MPa	ISO 6721
Charpy notched impact strength, 23°C	7	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	6.5	kJ/m²	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			
Drving Temperature	110 - 130	°C	
Drving Time Dehumidified Drver	2-4	h	
Melt Temperature Optimum	185	°C	Internal
Max. mould temperature	90 - 120	°Č	morriar
Back pressure	4	MPa	
Injection speed	slow-medium		



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Processing Texts

Pre-drying

Pre-drying is required.

Other Approvals

Other Approvals

OEMSpecificationAdditional InformationStellantis - ChryslerCPN 5310Full Approval ASTMD67
78POM0240B59340KN
025, Florence, KY

Printed: 2023-08-07

Revised: 2023-03-16 Source: Celanese Materials Database

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The above data are preliminary and are subject to change as additional data are developed on subsequent lots.

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colourants or other additives may cause significant variations in data values. Properties of moulded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Other than those product expressly identified as medical grade (including by MT® product designation or otherwise), Celanese's products are not intended for use in medical or dental implants. Regardless of any such product designation, any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. The information contained in this publication as a promise or guarantee of specific properties of our products. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Moreover, there is a need to reduce human exposure to many materials the lowest that texist. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publication should satisfy themselves that they can meet all applicable safety and health standards. We strongly recommend that users seek and adhere to the manufact

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