

#### High impact modified, low emission

POM copolymer, modified Injection molding type, elastomer-containing; with higher impact strength and slightly lower hardness, rigidity and chemical resistance than the basic type HOSTAFORM® C 9021 Reduced emission grade, Emission according to VDA 275 < 5 mg/kg good weld strength. Preliminary Datasheet

### Rheological properties

Temperature 19	1 cm <sup>3</sup> /10min ISO 1133 ) °C 5 kg
	7 % ISO 294-4, 2577
Moulding shrinkage, normal 1.	5 % ISO 294-4, 2577
Typical mechanical properties	
	MPa ISO 527-1/-2
,	3 MPa ISO 527-1/-2
,	7 % ISO 527-1/-2
	) % ISO 527-1/-2
	) MPa ISO 178
1 ,	) MPa ISO 899-1
	) MPa ISO 899-1
	3 kJ/m <sup>2</sup> ISO 179/1eU
	lSO 179/1eU
	3 kJ/m <sup>2</sup> ISO 179/1eA
	2 kJ/m <sup>2</sup> ISO 179/1eA
[P]: Partial Break	
Thermal properties	
Melting temperature, 10 ° C/min 16	S °C ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	3 °C ISO 75-1/-2
Vicat softening temperature, 50°C/h, 50N	5 °C ISO 306
Coeff. of linear therm. expansion, parallel 13	) E-6/K ISO 11359-1/-2
Electrical properties	
Relative permittivity, 100Hz 3.	S IEC 62631-2-1
Relative permittivity, 1MHz 3.	
· · · · · · · · · · · · · · · · · · ·	) E-4 IEC 62631-2-1
	E-4 IEC 62631-2-1
	Ohm.m IEC 62631-3-1
Surface resistivity 1E13	3 Ohm IEC 62631-3-2
Comparative tracking index PLC	PLC UL 746A

Printed: 2023-08-07 Page: 1 of 6



### Other properties

Humidity absorption, 2mm0.2 %Sim. to ISO 62Water absorption, 2mm1.2 %Sim. to ISO 62Density1260 kg/m³ISO 1183

### Injection

Drying Temperature 100 - 120 °C
Drying Time, Dehumidified Dryer 3 - 4 h
Processing Moisture Content 0.15 %
Screw tangential speed 0.2 - 0.21 m/s
Max. mould temperature 60 - 80 °C
Back pressure 2 MPa
Injection speed slow-medium

#### Characteristics

Additives Release agent

#### Additional information

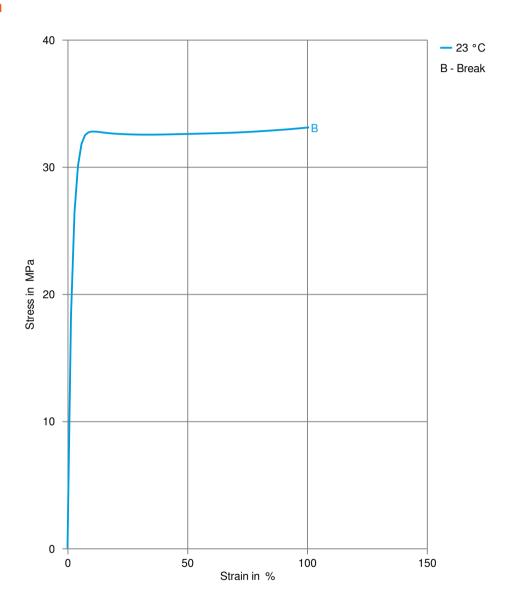
Injection molding

Above pressures, including back pressure, are given as specific or plastic pressures. The back pressure on Hostaform® and Celcon® POM materials should be as low as possible, just enough to remove air from the pellets during feeding.

Printed: 2023-08-07 Page: 2 of 6



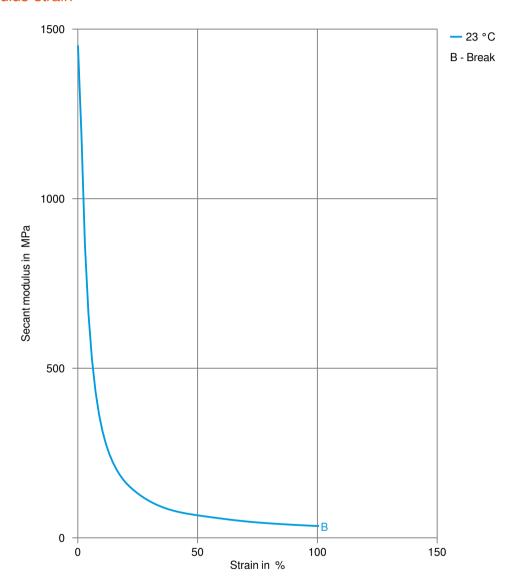
### Stress-strain



Printed: 2023-08-07 Page: 3 of 6



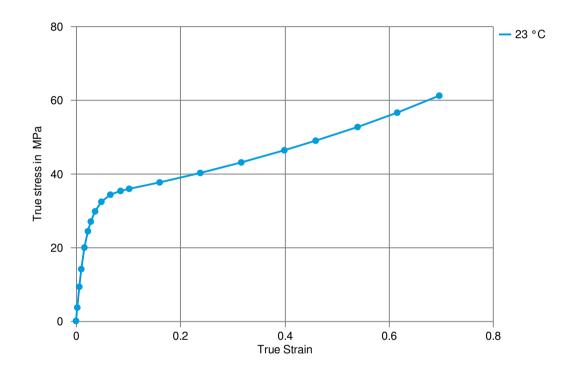
### Secant modulus-strain



Printed: 2023-08-07 Page: 4 of 6



### True stress-strain



Printed: 2023-08-07 Page: 5 of 6



### **Processing Texts**

Pre-drying It is normally not necessary to dry HOSTAFORM. However, should there be

surface moisture (condensate) on the molding compound as a result of incorrect storage, drying is required. A circulating air drying cabinet can be used for this

purpose

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

Injection molding Above pressures, including back pressure, are given as specific or plastic

pressures. The back pressure on Hostaform® and Celcon® POM materials should be as low as possible, just enough to remove air from the pellets during

feeding.

Other Approvals

Other Approvals

OEM	Specification	Additional Information
Mercedes-Benz Group (Daimler)	DBL 5404	BQF
Renault	UB15	

Printed: 2023-08-07 Page: 6 of 6

Revised: 2023-02-23 Source: Celanese Materials Database

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 conditions and environmental exposure. Other than those products 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 should not be construed 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, we neither suggest nor guarantee that such hazards are the only ones that exist. 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 manufac

© 2023 Celanese or its affiliates. All rights reserved. Celanese®, registered C-ball design and all other trademarks identified herein with ®, TM, SM, unless otherwise noted, are trademarks of Celanese or its affiliates. Fortron is a registered trademark of Fortron Industries LLC. KEPITAL is a registered trademark of Korea Engineering Plastics Company, Ltd.