

# HOSTAFORM® S 27242 XAP®2

## HOSTAFORM®

Easy flow, impact modified injection molding grade, with good low temperature impact strength and good weld line strength and reduced emissions. Emission according to VDA 275 < 5 mg/kg

### Product information

Resin Identification	POM	ISO 1043
Part Marking Code	>POM<	ISO 11469

### Rheological properties

Melt volume-flow rate	17 cm <sup>3</sup> /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

### Typical mechanical properties

Tensile modulus	2100 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	50 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8.5 %	ISO 527-1/-2
Nominal strain at break	40 %	ISO 527-1/-2
Charpy impact strength, 23 °C	130 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23 °C	7 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30 °C	5.5 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.4 <sup>[C]</sup>	

[C]: Calculated

### Physical/Other properties

Density	1360 kg/m <sup>3</sup>	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	195 °C
Min. melt temperature	190 °C
Max. melt temperature	200 °C
Screw tangential speed	≤0.3 m/s
Mold Temperature Optimum	70 °C
Min. mould temperature	60 °C
Max. mould temperature	80 °C
Hold pressure range	60 - 120 MPa
Back pressure	2 MPa

### Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Additives	Release agent
Special characteristics	High impact or impact modified, High Flow, Low emissions, Improved weld line

# HOSTAFORM® S 27242 XAP®2

## HOSTAFORM®

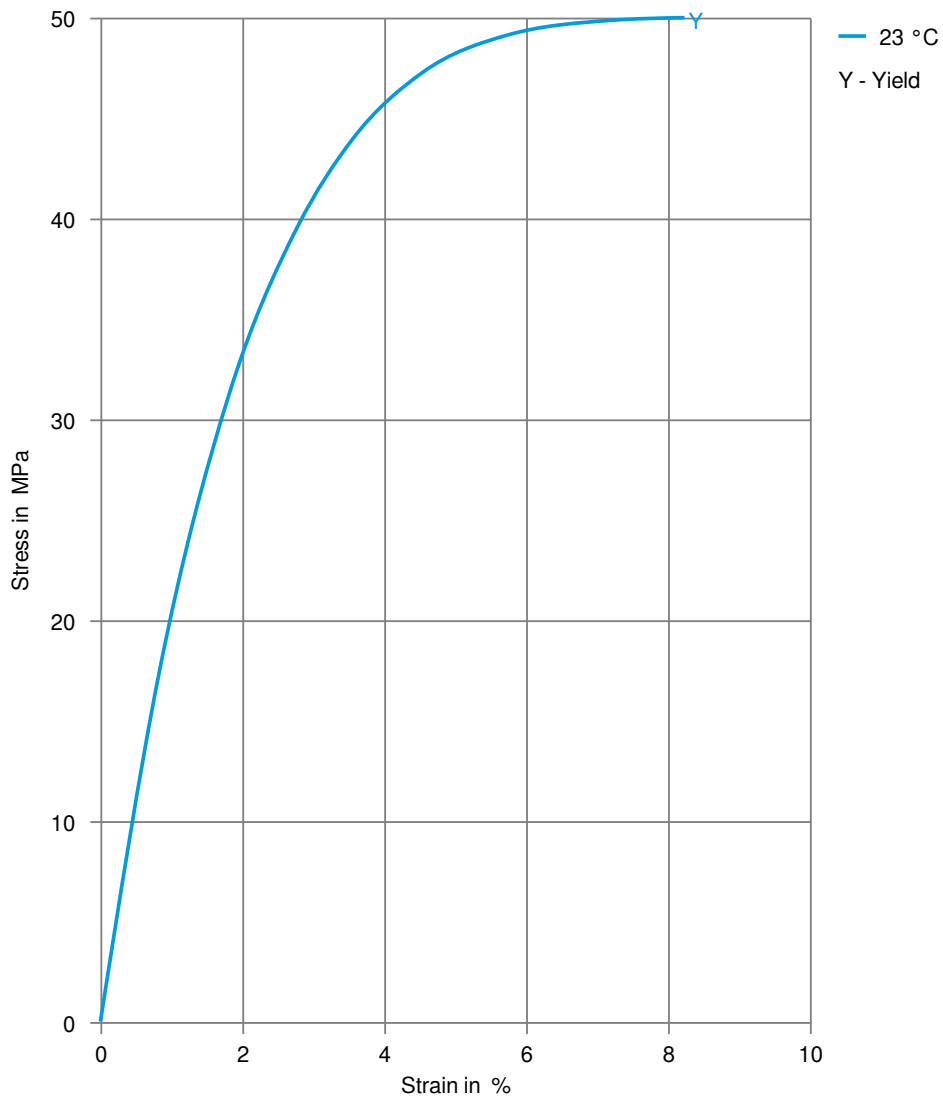
### Automotive

OEM  
Mercedes-Benz

STANDARD  
DBL5404

ADDITIONAL INFORMATION  
BQF

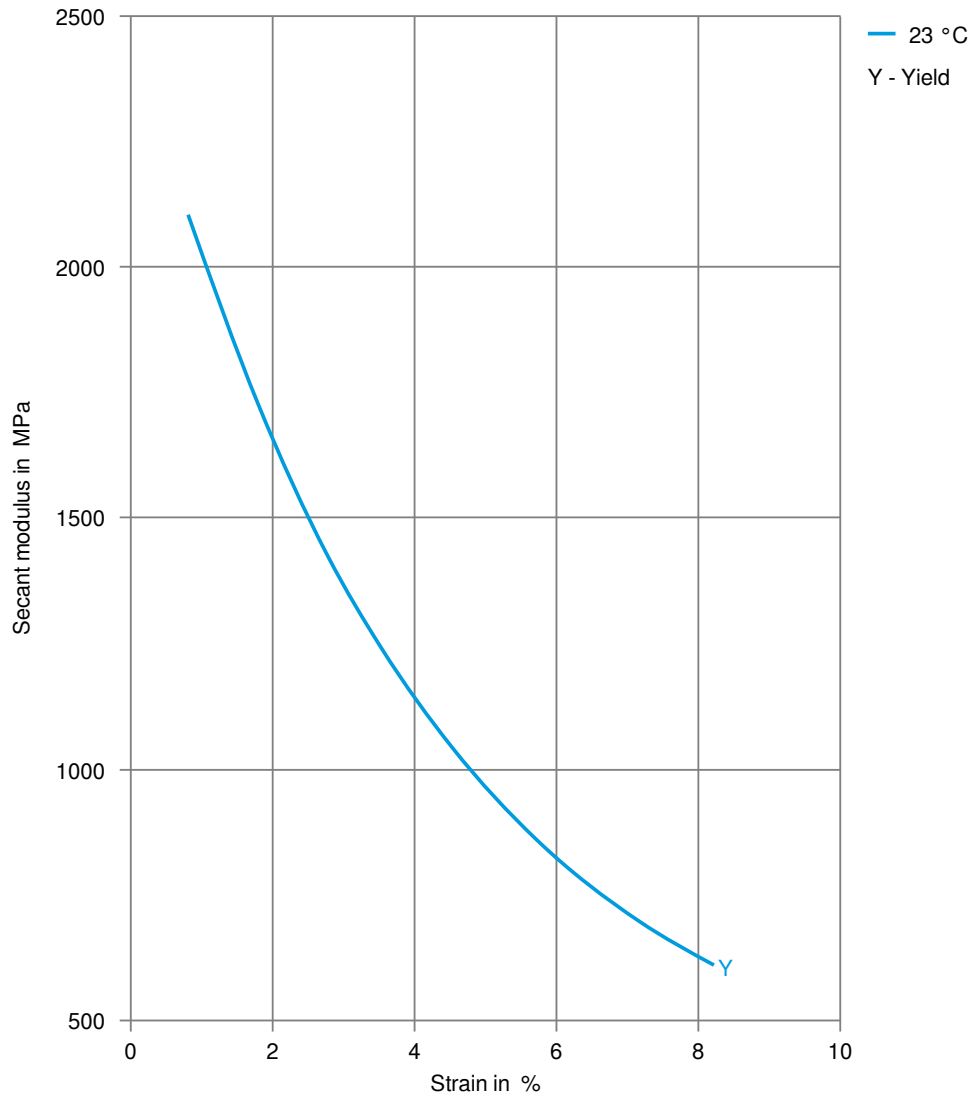
### Stress-strain



# HOSTAFORM® S 27242 XAP®2

## HOSTAFORM®

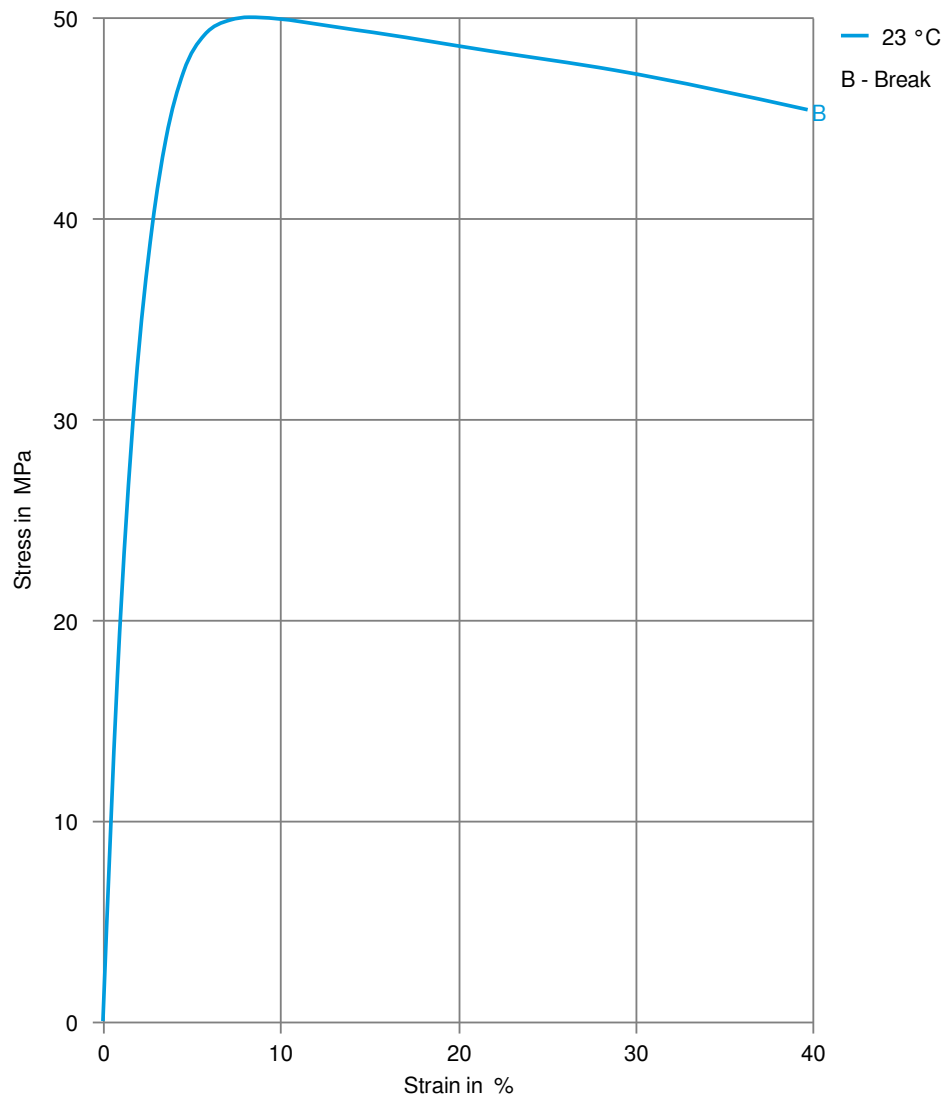
### Secant modulus-strain



# HOSTAFORM® S 27242 XAP®2

## HOSTAFORM®

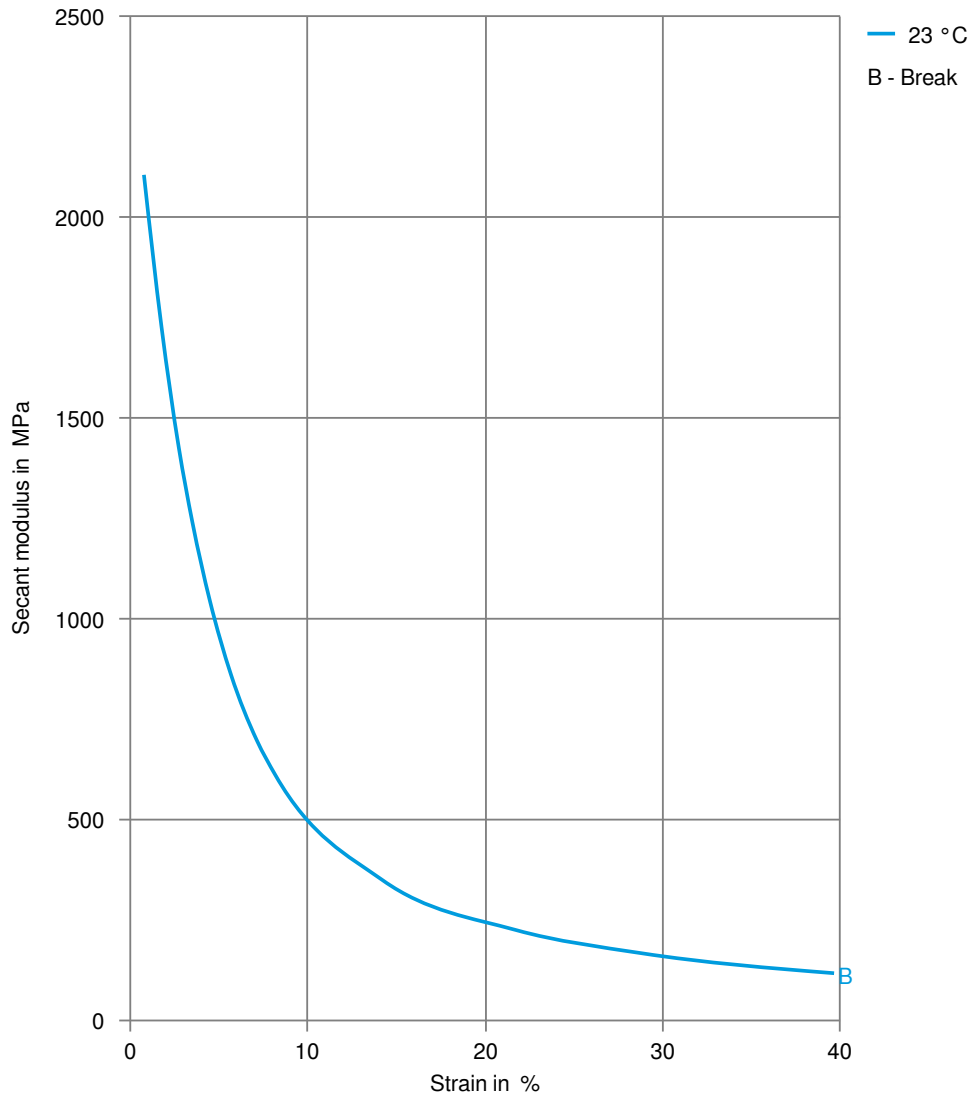
Stress-strain, 50mm/min



# HOSTAFORM® S 27242 XAP®2

## HOSTAFORM®

Secant modulus-strain, 50mm/min



Printed: 2025-05-30

Page: 5 of 5

Revised: 2024-12-03 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, processing 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. Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been 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 manufacturer's current instructions for handling each material they use, and entrust the handling of such material to adequately trained personnel only. Please call the telephone numbers listed for additional technical information. Call Customer Services for the appropriate Materials Safety Data Sheets (MSDS) before attempting to process our products.

© 2025 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.