



HOSTAFORM® S 9362 XAP®2

Hostaform® acetal copolymer grade S 9362 XAP®2 is an impact modified grade for applications requiring improved impact. Hostaform® S 9362 XAP®2 provides good impact strength while improving modulus and weld line strength over standard impact modified grades, and also exhibits exceptional low emission performance meeting or exceeding the requirements of many automotive markets. Chemical abbreviation according to ISO 1043-1: POM-HI

Prod	uct	inforr	mation
1 100	uci		Hation

1 Todact information			
Resin Identification	POM		ISO 1043
Part Marking Code	>POM<		ISO 11469
-			
Rheological properties			
Melt volume-flow rate	6.5	cm ³ /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Moulding shrinkage, parallel	1.9	•	ISO 294-4, 2577
Moulding shrinkage, normal	1.8	%	ISO 294-4, 2577
Typical mechanical properties			
Tensile modulus	2300	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min		MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10		ISO 527-1/-2
Flexural modulus	2200		ISO 178
Charpy impact strength, 23°C		kJ/m ²	ISO 179/1eU
Charpy impact strength, -30 °C		kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C		kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C		kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C		kJ/m ²	ISO 180/1A
Izod notched impact strength, -40°C		kJ/m ²	ISO 180/1A
Hardness, Rockwell, M-scale	75	NO/III	ISO 2039-2
Poisson's ratio	0.39 ^[C]		.00 2000 2
[C]: Calculated	0.00		
[O]. Calculated			
Thermal properties			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	87	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	151	°C	ISO 75-1/-2
Coefficient of linear thermal expansion	110	E-6/K	ISO 11359-1/-2
(CLTE), parallel			
Coefficient of linear thermal expansion (CLTE),	110	E-6/K	ISO 11359-1/-2
normal			
Physical/Other properties			
Humidity absorption, 2mm	0.25	%	Sim. to ISO 62
Water absorption, 2mm	8.0		Sim. to ISO 62
Density	1390	kg/m³	ISO 1183

Printed: 2025-05-30 Page: 1 of 2

Revised: 2024-11-05 Source: Celanese Materials Database





HOSTAFORM® S 9362 XAP®2

Injection

Drying Recommended	no	
Drying Temperature	100	°C
Drying Time, Dehumidified Dryer	3 - 4	h
Processing Moisture Content	≤0.2	%
Melt Temperature Optimum	190	°C
Min. melt temperature	180	°C
Max. melt temperature	200	°C
Screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	100	°C
Min. mould temperature	80	°C
Max. mould temperature	120	°C
Hold pressure range	60 - 120	MPa
Back pressure	2	MPa

Characteristics

Processing Injection Moulding, Extrusion

Delivery form Pellets

Additives Release agent

Special characteristics High impact or impact modified, Low emissions

Additional information

Processing Notes Pre-Drying

Drying is suggested to help achieve low emission performance and to counter if material has contacted moisture through improper storage and handling.

Automotive

OEM STANDARD ADDITIONAL INFORMATION

Mercedes-Benz DBL5404 BQF

Renault No Spec, Special Part Approval, See Your CE

Account Manager.

Printed: 2025-05-30 Page: 2 of 2

Revised: 2024-11-05 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 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

© 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.