



HOSTAFORM® CP15X

HOSTAFORM®

Preliminary Data Sheet

Hostaform® acetal copolymer grade CP15X is a creep resistant, high viscosity polymer providing excellent performance in injection molding. This grade provides overall excellent performance in applications requiring high stiffness over time.

Product information

Resin Identification Part Marking Code	POM >POM<		ISO 1043 ISO 11469
Rheological properties			
Melt volume-flow rate Temperature Load Moulding obtinions a parallel	1.7 190 2.16 2.1	kg	ISO 1133
Moulding shrinkage, parallel Moulding shrinkage, normal	2.0		ISO 294-4, 2577
Typical mechanical properties			
Tensile modulus Tensile stress at yield, 50mm/min Tensile strain at yield, 50mm/min Nominal strain at break Flexural modulus Flexural strength Flexural stress at 3.5% Hardness, Rockwell, M-scale Poisson's ratio [C]: Calculated	12 40 2450 87	MPa % %	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 178 ISO 2039-2
Thermal properties			
Melting temperature, 10°C/min Temperature of deflection under load, 1.8 MPa Coefficient of linear thermal expansion (CLTE), parallel	100	°C E-6/K	ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal Electrical properties	100	E-6/K	ISO 11359-1/-2
Volume resistivity Surface resistivity		Ohm.m Ohm	IEC 62631-3-1 IEC 62631-3-2
Physical/Other properties			
Humidity absorption, 2mm Water absorption, 2mm Density	0.2 0.75 1410		Sim. to ISO 62 Sim. to ISO 62 ISO 1183

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

Revised: 2024-07-08 Source: Celanese Materials Database

(+) 18816996168 Ponciplastics.com



HOSTAFORM® CP15X

HOSTAFORM®

Injection

Drying Recommended	no	
Drying Temperature	100	°C
Drying Time, Dehumidified Dryer	3 - 4	h
Processing Moisture Content	≤0.2	%
Melt Temperature Optimum	205	°C
Min. melt temperature	200	°C
Max. melt temperature	215	°C
Screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	105	°C
Min. mould temperature	90	°C
Max. mould temperature	120	°C
Hold pressure range	60 - 120	MPa
Back pressure	4	MPa
Ejection temperature	132	°C

Characteristics

Processing Injection Moulding, Extrusion

Delivery form Pellets

Additives Release agent
Special characteristics Improved creep

Additional information

Processing Notes Pre-Drying

Drying is not normally required. If material has come in contact with moisture through improper storage or handling or through regrind use, drying may be necessary to prevent splay and odor problems.

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

Revised: 2024-07-08 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 e

© 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.