

HOSTAFORM[®] LX90

HOSTAFORM®

Hostaform® LX90 specialty metallic appearance grades are an integrally colored nominal 9 melt flow rate based acetal copolymer material formulated to provide an exceptional molded in metallic appearance. This product is available in many metallic molded-in-colors. Besides material, optimal finish for specialty metallic parts is dependent on proper drying, gate design, knit line locations, and special processing. Please contact Celanese Technical Service for assistance with your application.

Product information Resin Identification Part Marking Code	POM >POM<		ISO 1043 ISO 11469
Rheological properties Melt volume-flow rate Temperature Load	8 190 2.16		ISO 1133
Typical mechanical properties Tensile modulus Tensile stress at yield, 50mm/min Tensile strain at yield, 50mm/min Flexural modulus Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Poisson's ratio [C]: Calculated	10 2700 5	MPa %	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 179/1eA ISO 179/1eA
Thermal properties Melting temperature, 10°C/min Temperature of deflection under load, 1.8 MPa	165 88	°C °C	ISO 11357-1/-3 ISO 75-1/-2
Physical/Other properties Humidity absorption, 2mm Water absorption, 2mm Density	0.2 0.75 1430		Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Injection Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature Max. melt temperature Screw tangential speed Mold Temperature Optimum Min. mould temperature Max. mould temperature Hold pressure range		h % °C °C °C m/s °C °C °C	

Printed: 2025-05-30



Page: 2 of 2

HOSTAFORM[®] LX90

HOSTAFORM®

Back pressure

Characteristics

Processing Delivery form Additives Special characteristics Injection Moulding, Extrusion Pellets Release agent Specialty appearance

Additional information

Processing Notes

Pre-Drying

Drying is required for this material to prevent poor appearance and performance of the part.

4 MPa

Printed: 2025-05-30

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 not intended for use in medical or dental implants. Regardless of any such 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 m

© 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.