



HOSTAFORM® LX90Z XAP®2

Hostaform® acetal copolymer grade LX90Z XAP®2 is UV stabilized material available in a range of molded in metallic colors generally for automotive interior applications. In addition, Hostaform® LX90Z XAP®2 has lower volatile emissions as required for some automotive interiors. 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. Low Emission Performance [VDA-275] <5 PPM

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Resin Identification Part Marking Code	POM >POM<		ISO 1043 ISO 11469
Rheological properties			
Moulding shrinkage, parallel Moulding shrinkage, normal	2.3 1.4		ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties			
Tensile modulus Tensile stress at yield, 50mm/min Tensile strain at yield, 50mm/min Flexural modulus Flexural stress at 3.5% Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Poisson's ratio	8 2900 67 4	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 Temperature of deflection under load, 0.45 MPa Coefficient of linear thermal expansion (CLTE), parallel Coefficient of linear thermal expansion (CLTE), normal	147 90	°C	ISO 11357-1/-3 ISO 75-1/-2 ISO 75-1/-2 ISO 11359-1/-2
Flammability			
FMVSS Class Burning rate, Thickness 2 mm	B 53.1	mm/min	ISO 3795 (FMVSS 302) ISO 3795 (FMVSS 302)
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	yes 100 3 - 4 ≤0.2	h	

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Melt Temperature Optimum	190	°C
Min. melt temperature	180	°C
Max. melt temperature	195	°C
Screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	110	°C
Min. mould temperature	100	°C
Max. mould temperature	125	°C
Hold pressure range	60 - 120	MPa
Back pressure	4	MPa

Characteristics

Processing Injection Moulding, Extrusion

Delivery form Pellets

Additives Release agent

Special characteristics Light stabilised or stable to light, U.V. stabilised or stable to weather, Specialty

appearance, Low emissions

Additional information

Processing Notes Pre-Drying

Drying is required for this material to prevent poor appearance and performance

of the part.

Automotive

OEM STANDARD ADDITIONAL INFORMATION

General Motors GMW17624P-POM Multiple Mold-in Color, Metallic Colors Used To

Create Package

Mercedes-Benz DBL5404 BQF

Nissan Color approved

Renault UB15, No Spec, Special Part Approval, See

Your CE Account Manager.

Stellantis MS.50095 / POM-C.2900F.5I.LE CPN5080 100% Color match,

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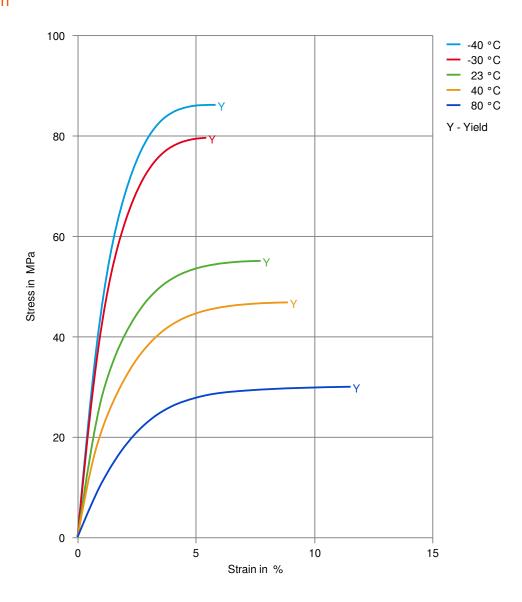
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HOSTAFORM® LX90Z XAP®2 HOSTAFORM®

Stress-strain



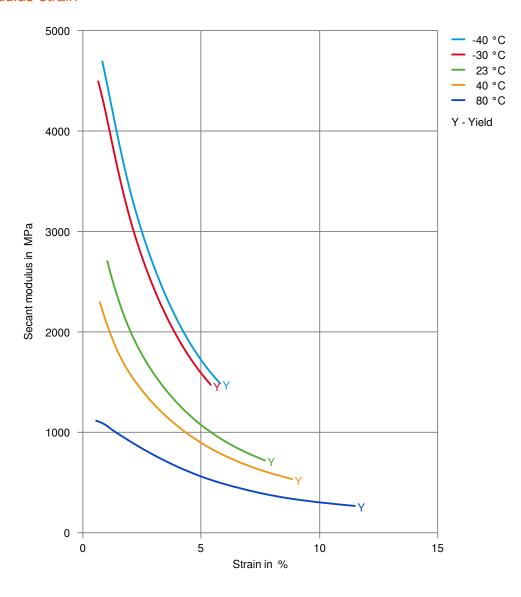
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Secant modulus-strain



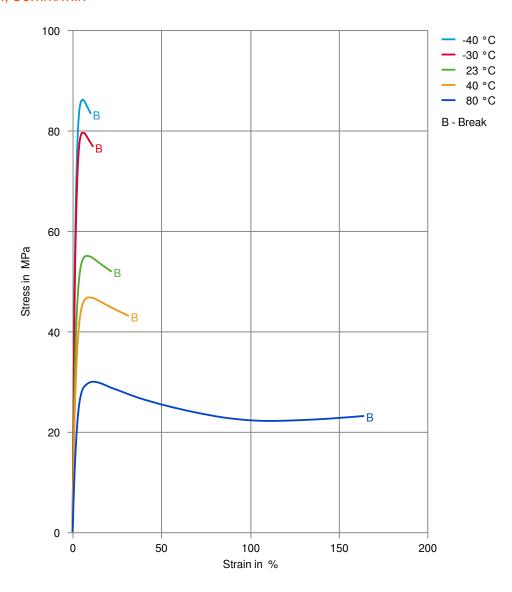
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Stress-strain, 50mm/min



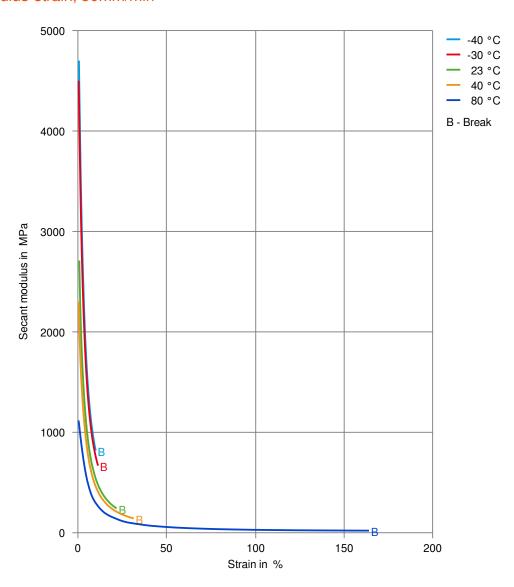
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HOSTAFORM® LX90Z XAP®2

Secant modulus-strain, 50mm/min



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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

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