

# HOSTAFORM® LX90GC15

## **HOSTAFORM®**

Hostaform® LX90GC15 is a specialty metallic appearance acetal copolymer grade that is integrally colored and has a nominal 15% fiber glass loading. This grade provides additional strength and stiffness over unfilled acetal grades while presenting a metal appearance surface. 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. Chemical abbreviation according to ISO 1043-1: POM

#### **Product information**

Resin Identification Part Marking Code	POM-GF15 >POM-GF15<		ISO 1043 ISO 11469
Rheological properties			
Moulding shrinkage, parallel Moulding shrinkage, normal	0.7 1.2		ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties			
Tensile modulus Tensile stress at break, 5mm/min Tensile strain at break, 5mm/min Flexural modulus Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Poisson's ratio [C]: Calculated	4 5200 4	MPa % MPa kJ/m <sup>2</sup> kJ/m <sup>2</sup>	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		°C	ISO 11357-1/-3 ISO 75-1/-2 ISO 75-1/-2 ISO 11359-1/-2
Physical/Other properties			
Humidity absorption, 2mm Water absorption, 2mm Density	0.2 0.85 1500		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	no 100 3 - 4 ≤0.2 200 190 210 ≤0.3 100	h % °C °C °C m/s	

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Min. mould temperature80 °CMax. mould temperature120 °CHold pressure range60 - 120 MPaBack pressure2 MPa

### Characteristics

Processing Injection Moulding

Delivery form Pellets

Additives Release agent

Special characteristics Specialty appearance

#### Additional information

Processing Notes Pre-Drying

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

### Storage

The product can then be stored in standard conditions until processed.

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