

Hostalen GC 7260 LS

High Density Polyethylene
LyondellBasell Industries

Technical Data

Product Description

Hostalen GC 7260 LS is a high density polyethylene (HDPE) resin stabilized to prevent UV degradation. In addition to general injection molding applications such as toys, it is widely used in dust bin lids, crates, housewares and packaging. Hostalen GC 7260 LS demonstrates good flowability and high rigidity and has been extensively used by customers in injection molding and other conversion processes. Hostalen GC 7260 LS is not intended for use in medical and pharmaceutical applications.

General

Material Status	• Commercial: Active		
Literature ¹	• Processing - Mold Shrink (English) • Processing - PE Films (English) • Processing - Polyolefin Injection Molding Guide (English) • Technical Datasheet (English)		
Search for UL Yellow Card	• LyondellBasell Industries • Hostalen		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	
Additive	• Antioxidant	• UV Stabilizer	
Features	• Antioxidant • Good Flow • Good Processability	• Good UV Resistance • High Density • High Rigidity	• Low Warpage
Uses	• Crates • Household Goods • Industrial Applications	• Lids • Profiles • Sporting Goods	• Toys
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density	0.960 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)		ISO 1133
190°C/2.16 kg	8.0 g/10 min	
190°C/5.0 kg	23 g/10 min	
FNCT ³ (50°C)	2.5 hr	Internal Method

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1450 MPa	ISO 527-2
Tensile Stress (Yield)	30.0 MPa	ISO 527-2
Tensile Strain (Yield)	7.0 %	ISO 527-2

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
-30°C	4.5 kJ/m ²	
23°C	4.0 kJ/m ²	

Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore D)	61	ISO 868
Ball Indentation Hardness (H 132/30)	58.0 MPa	ISO 2039-1

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	74.0 °C	ISO 306/B50

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 6 MPa, 2% Arkopal