

Hostalen GC 7260 LS

High Density Polyethylene

LyondellBasell Industries

Message:

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 Information			
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 ¹ (50°C)	2.5	hr	Internal Method
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
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	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	74.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 250	°C	
NOTE			

1. 6 MPa, 2% Arkopal

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