

Hostalen GD 7255 LS

High Density Polyethylene
LyondellBasell Industries

Message:

Hostalen GD 7255 LS is a high density polyethylene (HDPE) resin stabilized to prevent UV degradation. It's used in general injection molding applications such as pallets and dust bin bodies. Hostalen GD 7255 LS is available in pellet form, and exhibits high ESCR, good impact resistance, flowability and low warpage. Hostalen GD 7255 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 ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	High Rigidity		
	Low Warpage		
Uses	Caps		
	Closures		
	Crates		
	Household Goods		
	Industrial Applications		
	Profiles		
	Sporting Goods		
	Toys		
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	4.0	g/10 min	
190°C/5.0 kg	11	g/10 min	
FNCT ¹ (50°C)	4.5	hr	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868
Ball Indentation Hardness	52.0	MPa	ISO 2039-1

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	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	73.0	°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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