

# Hostalen GD 7255

High Density Polyethylene

LyondellBasell Industries

## Message:

Hostalen GD 7255 is a high density polyethylene (HDPE) resin used in general injection molding applications such as pallets and dust bins. Hostalen GD 7255 is available in pellet form, and exhibits high ESCR, good impact resistance, flowability and low warpage. Hostalen GD 7255 is not intended for use in medical and pharmaceutical applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Flow		
	Good Processability		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	High Rigidity		
Uses	Low Warpage		
	Caps		
	Closures		
	Crates		
	Household Goods		
	Industrial Applications		
	Profiles		
Forms	Sporting Goods		
	Toys		
	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm <sup>3</sup>	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 <sup>1</sup> (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
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.5	kJ/m <sup>2</sup>	
23°C	4.0	kJ/m <sup>2</sup>	
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Vicat Softening Temperature	73.0	°C	ISO 306/B50
<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>	
Processing (Melt) Temp	180 to 250	°C	
<b>NOTE</b>			

1. 6 MPa, 2% Arkopal

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