

# Hostalen GC 7260

High Density Polyethylene

LyondellBasell Industries

## Message:

Hostalen GC 7260 is a high density polyethylene (HDPE) resin used in general injection molding applications such as closures, toys, housewares and packaging. Hostalen GC 7260 demonstrates good flowability and high rigidity and has been extensively used by customers in injection molding and other conversion processes. Hostalen GC 7260 is not intended for use in medical and pharmaceutical applications.

## General Information

Additive	Antioxidant
Features	Antioxidant Good Flow Good Processability High Density High Rigidity Low Warpage

Uses	Caps Closures Compounding Crates Household Goods Industrial Applications Packaging Profiles Sporting Goods Toys
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Processing Method	Compounding Extrusion Injection Molding
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Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm <sup>3</sup>	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 <sup>1</sup> (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
<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	74.0	°C	ISO 306/B50
<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>	
Processing (Melt) Temp	180 to 250	°C	

**NOTE**

1. 6 MPa, 2% Arkopal

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