

Purell GC7260 G

High Density Polyethylene
LyondellBasell Industries

Message:

Purell GC7260 G is a HDPE material which exhibits good flowability and high rigidity. It contains an additive package for improved performace at higher extrusion temperatures and faster cycle times.

Exceptional organoleptic properties and a good balance of stiffness, toughness and processability make Purell GC7260 G the choice of customers for the production of closures for still mineral water and many other types of food and non-food caps and closures.

Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant LyondellBasell Technical and Business contacts first.

General Information			
Additive	Unspecified Additive		
Features	Autoclavable		
	Ethylene Oxide Sterilizable		
	Fast Molding Cycle		
	Good Flow		
	Good Organoleptic Properties		
	Good Processability		
	Good Stiffness		
	Good Thermal Stability		
	Good Toughness		
	High Rigidity		
Low Warpage			
Uses	Caps		
	Closures		
	Medical/Healthcare Applications		
	Thin-walled Parts		
	Tubing		
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)	64		ISO 868
Ball Indentation Hardness (H 132/30)	57.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus	1350	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.5	kJ/m ²	
23°C	4.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	72.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 230	°C	
NOTE			

1. 6 MPa, 2% Arkopal

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