

Purell GB7250

High Density Polyethylene

LyondellBasell Industries

Message:

Purell GB7250 is an HDPE material which exhibits good flowability and high rigidity behaviours.

Exceptional organoleptic properties and a good balance of stiffness, toughness and processability make Purell GB7250 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 as well as tube shoulders.

Without exception, all potential Healthcare Applications activities have to be discussed with the relevant Technical and Business contacts first.

To discuss a Healthcare Application please contact your local Distributor or your local LyondellBasell contact.

General Information			
Features	Ethylene Oxide Sterilizable		
	Good Flow		
	Good Organoleptic Properties		
	High Density		
	High Rigidity		
	Low Warpage		
Uses	Caps		
	Closures		
	Medical/Healthcare Applications		
	Pharmaceuticals		
	Tubing		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	10	g/10 min	
190°C/5.0 kg	28	g/10 min	
Environmental Stress-Cracking Resistance ¹ (50°C, 2% Arkopal)	2.50	hr	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	61		ISO 868
Ball Indentation Hardness (H 132/30)	46.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2
Tensile Stress (Yield)	24.0	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	2.0	kJ/m ²	
23°C	2.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	64.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 230	°C	
NOTE			

1. FNCT (Full Notch Creep Test),
6MPa

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

