

# Purell GA7760

High Density Polyethylene

LyondellBasell Industries

## Message:

Purall GA7760 is a high density polyethylene with a good flow and a high density. The grade is used by our customers for all type of injection moulded applications in the healthcare market but also for closure applications.

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			
Features	Ethylene Oxide Sterilizable		
	Good Flow		
	High Density		
	High Rigidity		
	Low Warpage		
Uses	Caps		
	Closures		
	Medical/Healthcare Applications		
	Pharmaceuticals		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	18	g/10 min	
190°C/5.0 kg	52	g/10 min	
Spiral Flow	68.0	cm	Internal Method
FNCT <sup>1</sup> (80°C)	1.0	hr	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	64		ISO 868
Ball Indentation Hardness	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
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	71.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 230	°C	

## NOTE

1. 2.5 MPa, 2% Arcopal

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### Recommended distributors for this material

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