

Purell PE 3040 D

Low Density Polyethylene

LyondellBasell Industries

Message:

Purell PE 3040 D is a low density polyethylene with high rigidity and good chemical resistance. It is delivered in pellet form. The grade is used by our customers for small blow moulding including packaging of pharmaceuticals in blow fill seal technology and injection moulding for medical devices, closures and seals.

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

To discuss a medical/pharmaceutical application please contact: your local Distributor or your local Basell contact.

General Information			
Features	Ethylene Oxide Sterilizable		
	Good Chemical Resistance		
	High Rigidity		
Uses	Bottles		
	Closures		
	Film		
	Medical/Healthcare Applications		
	Pharmaceutical Packaging		
	Seals		
Forms	Vials		
	Pellets		
Processing Method	Blown Film		
	Extrusion Blow Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.928	g/cm ³	ISO 1183
Apparent Density	> 0.50	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	18.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	51		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	300	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	13.0	MPa	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	102	°C	ISO 306/A50

Melting Temperature (DSC)	115	°C	ISO 3146
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 220	°C	

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Recommended distributors for this material

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