

Purell RP170G

Polypropylene

LyondellBasell Industries

Message:

Purell RP170G is a soft polyolefinic resin suitable for extrusion blow molding and injection molding applications.

Purell RP170G is typically used at customers for transparent packaging of pharmaceuticals produced in blown-fill-seal (BFS) technology (eg IV bottles, ampoules, vials).

Purell RP170G exhibits an excellent balance of toughness and transparency at a very good softness. It is suitable for steam sterilization in autoclave at 121°C, not affecting its mechanical and optical properties.

For regulatory information please refer to Purell RP170G Product Stewardship Bulletin (PSB).

Without exception, the supply in such applications is subject to our preliminary review. Please get in contact with your local sales contact for further details.

General Information			
Features	Optical		
	Good flexibility		
	High pressure heating resistance		
	Heat resistance, medium		
	Definition, high		
	Good toughness		
	Disinfect with steam		
Uses	Packaging		
	Films		
	Blow molding applications		
	Bottle		
	Small bottle		
	Drug packaging		
	Medical/nursing supplies		
Processing Method	Extrusion blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.6	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	550	MPa	ISO 527-2
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, 23°C	15	%	ISO 527-2
Fracture, 23°C	500	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

0°C	7.0	kJ/m ²	ISO 179
23°C	25	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	61.0	°C	ISO 75-2/B
Vicat Softening Temperature	126	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	20	%	ASTM D1003

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