

Purell RP271G

Polypropylene Random Copolymer
LyondellBasell Industries

Message:

Low melt flow polypropylene random copolymer resin with high clarity dedicated for medical applications, in particular IV bottles made by the extrusion blow molding process (EBM)

Features:

- Suitable for autoclave sterilization
- High temperature resistance
- Good chemical resistance

Applications:

- High clarity
- Good impact property
- Good Processability

General Information			
Features	Pressure cooker disinfection		
	Impact resistance, good		
	Workability, good		
	Low liquidity		
	Good chemical resistance		
	Definition, high		
	Compliance of Food Exposure		
	Random copolymer		
Uses	Bottle		
	Medical/nursing supplies		
	Medical devices		
Processing Method	Extrusion blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus	900	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648

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