

Purell RP271M

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Medium melt flow polypropylene random copolymer resin with good clarity dedicated for medical application made by injection molding (IM) and injection stretch blow molding process (ISBM).

- Features:
- Suitable for autoclave sterilization
 - High temperature resistance
 - Good chemical resistance
 - Good clarity
 - Good impact properties
 - Good processability
- Applications:
- IV solution bottles
 - Medical Devices
 - Laboratory Devices

General Information			
Features	Pressure cooker disinfection		
	Impact resistance, good		
	Workability, good		
	Medium liquidity		
	Good chemical resistance		
	Definition, high		
	Random copolymer		
Uses	Medical/nursing supplies		
	Medical devices		
Processing Method	Injection Stretch 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)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648

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