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/cm³	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

Recommended distributors for this material

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