

## Technical Data Sheet

### Purell RP271M



Polypropylene, Random Copolymer

#### Product Description

Purell RP271M is a medium melt flow polypropylene random copolymer resin with good clarity, good impact properties, good processability, high temperature resistance suitable for autoclave sterilization. Typical customer application are medical IV solution bottles made by injection molding and injection stretch blow molding process (ISBM), and also other medical and laboratory devices.

#### Regulatory Status

For regulatory compliance information, see Purell RP271M [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand
<b>Application</b>	Bottles For Consumer Goods; Healthcare Applications
<b>Market</b>	Healthcare
<b>Processing Method</b>	Injection Molding; Injection Stretch Blow Molding
<b>Attribute</b>	High Clarity; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	8	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1030	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	50	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	90	°C	ASTM D648

## Notes

These are typical property values not to be construed as specification limits.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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