

Technical Data Sheet

Purell RP271G



Polypropylene, Random Copolymer

Product Description

Purell RP271G is a low melt flow polypropylene random copolymer resin with good clarity, good impact properties, high temperature resistance suitable for autoclave sterilization. Typical customer application are medical IV solution bottles made by extrusion blow molding process.

Regulatory Status

For regulatory compliance information, see Purell RP271G [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.7	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	900	MPa	ASTM D790
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Elongation at Yield	14	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	80	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load, (0.46 N/mm ²)	88	°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/>.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.