# **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 <u>Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).</u>

Status Commercial: Active

Availability Africa-Middle East; Asia-Pacific; Australia and New Zealand

Application Bottles For Consumer Goods; Healthcare Applications

Market Healthcare

Processing Method Injection Molding; Injection Stretch Blow Molding

Attribute High Clarity; Random Copolymer

	Nominal		
Typical Properties	Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1030	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	50	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load, (0.46 N/mm²)	90	°C	ASTM D648

N I - - - - I - - - I

LyondellBasell Technical Data Sheet Date: 4/6/2022

### **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.