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).

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

Typical Properties	Nominal 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

Manufacturer website: https://www.hmcpolymers.com/

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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