

## Technical Data Sheet

### Purell RP315M



Polypropylene, Random Copolymer

#### Product Description

Purell RP315M is a medium modified polypropylene random copolymer for use in injection molding and film applications.

Purell RP315M contains slip and anti-blocking agents.

Purell RP315M is typically used for films and injection molding in healthcare applications.

All potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical and Business contacts first. To discuss a medical/pharmaceutical application please contact your local Lyondellbasell reference or your local Distributor.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
<b>Application</b>	Caps & Closures (Healthcare); Healthcare Applications; Medical Film
<b>Market</b>	Healthcare
<b>Processing Method</b>	Cast Film; Injection Molding
<b>Attribute</b>	Autoclavable; Ethylene Oxide Sterilisation; Good Optical Properties; Medium Transparency

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	8	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	11	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	5.5	kJ/m <sup>2</sup>	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Ball Indentation Hardness, (H 358/30)	45	MPa	ISO 2039-1
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	78	°C	ISO 75B-1, -2

#### Notes

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