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.

Application	Caps & Closures (Healthcare); Healthcare Applications; Medical Film
Market	Healthcare
Processing Method	Cast Film; Injection Molding
Attribute	Autoclavable; Ethylene Oxide Sterilisation; Good Optical Properties; Medium Transparency

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm³	ISO 1183-1
Mechanical			
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
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	5.5	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	45	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	78	°C	ISO 75B-1, -2