

Technical Data Sheet

Pure//RP370M



Polypropylene, Random Copolymer

Product Description

Pure//RP370M is a medium modified polypropylene random copolymer. It does not contain slip or anti-blocking additives.

Pure//RP370M is typically used by customers for manufacturing of un-oriented cast films and blown film extrusion.

It has been reported by customers that Pure//RP370M exhibits good processability, and that films produced with Pure//RP370M exhibits high clarity and gloss, softness and good heat weldability.

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.

Regulatory Status

For regulatory compliance information, see Pure//RP370M [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Caps & Closures (Healthcare); Healthcare Applications; Infusion Bags; 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)	8.0	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	850	MPa	ISO 527-1, -2
Tensile Stress at Yield	25	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	14	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	7	kJ/m ²	ISO 179-1/1eA
(0 °C)	3	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	135	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	68	°C	ISO 75B-1, -2