Technical Data Sheet

Purell HP570M

Polypropylene, Homopolymer

Product Description

Purell HP570M is a polypropylene homopolymer for use in for injection molding and film applications.
Purell HP570M is typically used in medical device components, closures, labware parts.
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.

This grade is supported for use in drinking water applications.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Healthcare Applications; Infusion Bags; Medical Devices; Medical Film; Secondary Packaging
Market	Healthcare
Processing Method	Cast Film; Injection Molding
Attribute	Autoclavable; Ethylene Oxide Sterilisation; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.5	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield	33	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)	4.5	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	64	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	85	°C	ISO 75B-1, -2

Notes

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