HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

Purell HP572M

Polypropylene, Homopolymer

Product Description

Purell HP572M is a polypropylene homopolymer for use in injection molding and film applications.
Purell HP572M is typically used in medical device components, closures, labware parts, medical films.
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.

Application	Healthcare Applications; Infusion Bags; Medical Devices; Medical Film; Pharmaceutical Packaging; Secondary Packaging
Market	Healthcare
Processing Method	Blown Film; 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	1450	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