

# Purell HP570M

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Purell HP570M is an homopolymer suitable for injection moulding and film applications.

Without exception, 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 Distributor or your local LyondellBasell contact.

For regulatory information please refer to Purell HP570M Product Stewardship Bulletin (PBS)

General Information			
Features	Ethylene Oxide Sterilizable		
	Homopolymer		
Uses	Film		
	Medical/Healthcare Applications		
	Packaging		
Processing Method	Cast Film		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.898	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	64.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2
Tensile Stress (Yield)	31.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	10	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C)	130	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.0	°C	ASTM D648, ISO 75-2/B
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	82.0	°C	ISO 306/B50

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