

# Purell HP371P

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical (P & AD) and Business contacts first.

To discuss a medical/pharmaceutical application please contact: your local Distributor or your local Basell contact Purell HP371P is a polypropylene homopolymer with a gamma - ray stabilizing additivition. It exhibits a high fluidity and superior transparency. Purell HP371P is primarily designed for empty disposable three - part syringes which are not to be supplied in the same package as the medication itself and for other medical applications where no EP is needed. For regulatory information please refer to Purell HP371P Product Stewardship Bulletin (PSB)

General Information			
Additive	Gamma Stabilizer		
Features	Autoclavable		
	E-beam Sterilizable		
	Ethylene Oxide Sterilizable		
	Food Contact Acceptable		
	Homopolymer		
	Medium Clarity		
	Medium Flow		
	Radiation (Gamma) Resistant		
	Radiation Sterilizable		
Uses	Hypodermic Syringe Parts		
	Medical/Healthcare Applications		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	24.0	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1250	MPa	ISO 527-2
Tensile Stress (Yield)	31.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	15	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m <sup>2</sup>	ISO 179

Charpy Unnotched Impact Strength (23°C)	170	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	150	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	15	%	ASTM D1003

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#### Recommended distributors for this material

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