

Purell HP671T

The clear choice in gamma sterilized healthcare applications

Today's healthcare applications demand new levels of clarity and greater resistance to changes in physical or optical properties that may take place during the sterilization process. The new *Purell* HP671T resin is a nucleated PP homopolymer used in injection molded medical applications for its enhanced additive package offering increased resistance to gamma sterilization and excellent transparency. This grade exhibits high fluidity offering advantages in processing, as well as very high stiffness requested by customers for use in labware, PCR plates, medical devices and other healthcare applications.



Benefits of *Purell* HP671T

- ▮ Very good optical properties
- ▮ Higher stiffness vs. PP homopolymers
- ▮ Opportunities for downgauging
Excellent processing on high speed lines
- ▮ Good resistance to sterilization processes including gamma ray, e-beam, ethylene oxide and autoclaves

Typical properties of *Purell* HP671T

Typical Properties	Method	Value	Unit
Physical			
Density (23°C)	ISO 1183	0.90	g/cm ³
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	55	g/10min
Mechanical			
Tensile Modulus (23°C)	ISO 527-1,-2	1900	MPa
Tensile Stress at Yield (23°C)	ISO 527-1,-2	39	MPa
Tensile Strain at Break (23°C)	ISO 527-1,-2	28	%
Tensile Strain at Yield (23°C)	ISO 527-1,-2	7.5	%
Impact			
Charpy notched impact strength (23°C)	ISO 179	2.6	kJ/m ²
Thermal			
Heat deflection temperature B	ISO 75/ASTM D 648	105	°C
Optical			
Haze (1mm)	ASTM D 1003	13	%
Gloss (45°)	ASTM D 2457	125	%

Purell
Excellence builds trust

More information please contact us at medical@lyondellbasell.com or visit www.purell-polymers.com

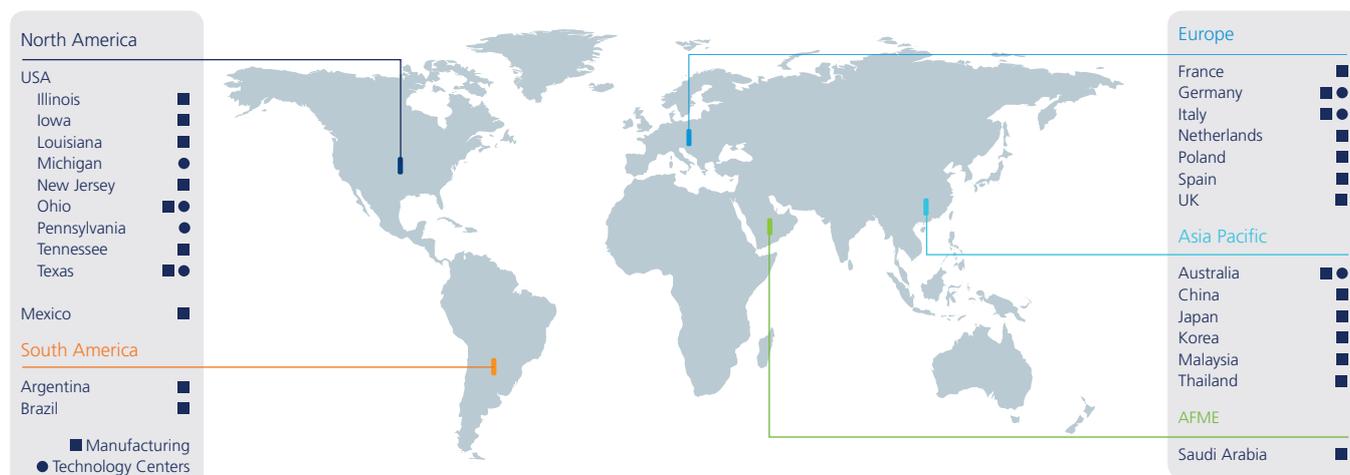
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About LyondellBasell

LyondellBasell is one of the world's largest plastics, chemical and refining companies. We are the largest producer of polypropylene and polypropylene compounds; a leading producer of propylene oxide, polyethylene, ethylene and propylene; a global leader in polyolefins technology; and a producer of refined products, including biofuels.

LyondellBasell products and technologies are used to make items that improve the quality of life for people around the world including packaging, electronics, automotive components, home furnishings, construction materials and biofuels.

Global Reach



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Our Product Lines And The End Markets We Serve...

Olefins & Polyolefins	Intermediates & Derivatives	Refining	Technology
<p>– Americas – Europe, Asia & International</p>			
<p>Key Products</p> <ul style="list-style-type: none"> Ethylene Propylene Polyethylene Polypropylene Catalloy Process Resins Polypropylene Compounds Polybutene-1 	<p>Key Products</p> <ul style="list-style-type: none"> Propylene Oxide Styrene Monomer PG and PGE Acetyls Oxyfuels Ethylene Oxide EG and EOD 	<p>Key Products</p> <ul style="list-style-type: none"> Gasoline Diesel Olefins Feed 	<p>Key Products</p> <ul style="list-style-type: none"> Process Licensing Catalyst Sales Technology Services
<p>End Uses</p> <ul style="list-style-type: none"> Food Packaging Textiles Automotive Appliances Films Flexible Piping 	<p>End Uses</p> <ul style="list-style-type: none"> Insulation Home Furnishings Adhesives Consumer Products Coatings 	<p>End Uses</p> <ul style="list-style-type: none"> Automotive Fuels Aviation Fuels Heating Oil Industrial Engine Lube Oils 	<p>End Uses</p> <ul style="list-style-type: none"> Polyolefin and Chemical Manufacturing Processes