

# Purell SP170G

Soft PP copolymer for healthcare applications



*Purell* SP170G is a new soft polypropylene (PP) copolymer, produced with a non-phthalate based catalytic system and with no tallow derived components. It meets the requirements of healthcare applications produced with blow molding and blown film conversion technologies.

*Purell* SP170G exhibits an excellent balance of mechanical (softness, toughness) and optical (transparency) properties, for use in a very broad range of healthcare applications, including Blow-Fill-Seal bottles and ampoules, or film layers in IV bags.

As part of the *Purell* family of grades, this product benefits from LyondellBasell's *Purell* Service Concept, developed for customers in the pharmaceutical and healthcare industry.

## Product benefits

- Outstanding balance of softness and transparency
- Good processability in Blow Molding and Blown Film conversions
- Sterilization in autoclave at 121°C

## Some typical applications



BFS (Blow Fill Seal)  
IV bottles



Ampoules



Film for IV bag



Caps & closures  
components



Other medical  
device  
components

## Resin properties

Typical properties	Method	Value	Unit
MFR (@ 230°C/2.16kg)	ISO 1133	1.5	g/10min
Tensile modulus	ISO 527-1,-2	600	MPa
Charpy notched impact (23 °C)	ISO 179	21	kJ/m <sup>2</sup>
Haze (1mm plaque)	ASTM D1003	22	%

Note: Typical properties, not to be considered as specifications

# About us

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit [www.lyb.com](http://www.lyb.com) or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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