

Product information



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

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	700	MPa
Charpy notched impact (23 °C)	ISO 179	15	kJ/m²
Haze (1mm plaque)	ASTM D1003	22	%

Note: Typical properties, not to be considered as specifications





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PETROMALL INDUSTRY & TRADING CO

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 or follow @LyondellBasell on LinkedIn.



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