

Full *Purell* resins solution for film used for infusion bags

Polyolefin grades for cast film and/or blown film extrusion



LyondellBasell's *Purell* resins product portfolio includes grades intended to be used for cast film and/or blown film extrusion, meeting the high quality standards in healthcare applications. Those grades are characterized by excellent homogeneity and melt strength, providing high film quality, surface smoothness, planarity, aesthetics.

They can be easily converted by cast extrusion or blown film extrusion for the production of different structures of film for infusion bags.

The combination of the different grades allow on the final film a good balance of optical, physical and mechanical properties. All of them are produced with a non-phthalate based catalytic system.

- ***Purell* SP170G** provides an excellent balance of mechanical (softness, toughness) and optical (transparency) properties, combined with good processability. It could allow plastomer elimination/reduction, for PP monosolution.
- ***Purell* RP370M** is a polypropylene random copolymer, with good clarity and softness. It offers excellent sealing properties in film structures. This material does not contain anti-blocking, slip or other internal and surface lubricants.
- ***Purell* HP570M** is a polypropylene homopolymer. It offers excellent thermal stability and high scratch resistance.

As part of the *Purell* family of grades, these products benefit from LyondellBasell *Purell* Service Concept developed for customers in the Healthcare industry.

Features and Benefits

- Low gel content with outstanding optical and aesthetic properties
- Excellent sealing performance and heat weldability
- Excellent thermal stability
- Wide processing window
- Excellent balance of mechanical and optical properties

Typical applications

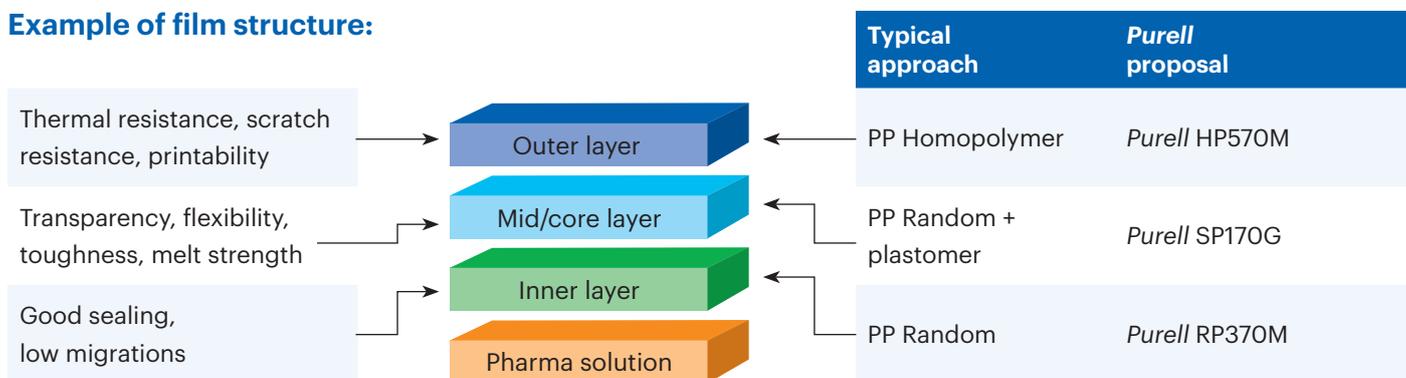


IV bags



Healthcare film applications for primary/secondary packaging

Example of film structure:



Resin Properties

Properties	Purell SP170G	Purell RP370M	Purell HP570M
	RACO	RACO	HOMO
MFR (@ 230°C/2.16kg) (g/10 min)	1.5	8.0	7.5
Tensile modulus (MPa)	600	850	1400
Melting temperature (°C)	136	143	161
Vicat softening point A/50 (°C)	126	135	154

Note: Typical properties, not to be construed as specifications

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