

Purell grade HP373P PP for labware and medical devices components



Purell HP373P is a new polypropylene (PP) homopolymer, produced with a non-phthalate based catalytic system, and without animal derived components. Its melt flowability makes it suitable for injection molding conversion.

The product exhibits an excellent balance of physical, mechanical and optical properties, for use in a very broad range of Healthcare applications.

Purell HP373P has a tailor made additivation package to enhance its resistance to radiation sterilization (for example Gamma-rays, Electron-Beam, X-rays). As part of the Purell family of grades, this product benefits from LyondellBasell Purell Service Concept, developed for customers in the pharmaceutical and healthcare industry.

Product Benefits

- Good flowability, for easy injection molding conversion
- Outstanding physical/mechanical and optical balance of properties
- Radiation sterilization (Gamma-rays, E-Beam, X-rays) resistant

Some typical applications



Labware
(e.g. pipette, trays)



Medical devices
components



Pharmaceutical
packaging



Medical caps
and closures



Syringes
components

Resin Properties

Typical Properties	Method	Value	Unit
MFR (@ 230°C/2.16kg)	ISO 1133	18	g/10min
Tensile Modulus	ISO 527-1,-2	1250	MPa
Charpy Notched Impact (23 °C)	ISO 179	6.0	kJ/m ²
Haze (1mm plaque)	ASTM D1003	15	%

Note: Typical properties, not to be considered as specifications

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