

# Purell EA678P

PP for medical device components



Purell EA678P is a new polypropylene (PP) heterophasic copolymer, produced with a non-phthalate based catalytic system and without animal derived components.

Purell EA678P exhibits an excellent balance of toughness and high stiffness, combined with good processability, for use in a very broad range of Healthcare applications, where high mechanical properties are required. It also meets the requirements of Healthcare applications produced with injection molding conversion technology.

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 balance of properties
- High Rigidity

## Some typical applications



Autoinjectors,  
Insulin pens



Medical devices  
components



Oral care



Medical caps and  
closures

## Resin properties

Typical properties	Method	Value	Unit
MFR (@ 230°C/2.16kg)	ISO 1133	18	g/10min
Tensile Modulus	ISO 527-1,-2	1700	MPa
Charpy Notched Impact (23 °C)	ISO 179	6.5	kJ/m <sup>2</sup>
Charpy Notched Impact (-20 °C)	ISO 179	2.5	kJ/m <sup>2</sup>

Note: Typical properties, not to be considered as specifications

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