HMC Polymers
A Most Admired Company
An associate of PTTGC & LyondellBasell

Purell RP271M

Medium melt flow polypropylene random copolymer resin with good clarity dedicated for medical application made by injection molding (IM) and injection stretch blow molding process (ISBM)

Features

- Suitable for autoclave sterilization
- High temperature resistance
- Good chemical resistance
- Good clarity
- Good impact properties
- Good processability

Typical applications

- IV solution bottles
- Medical devices
- Laboratory devices

PP Resin Properties (a)	Value	ASTM METHOD(b)
Melt flow rate (230°C / 2.16 kg), dg/min	8.0	D1238
Density, g/cm3	0.90	D792B
Tensile strength at yield, MPa	27	D638
Elongation at yield, %	12	D638
Flexural modulus, MPa	1030	D790A
Notched izod impact strength at 23°C, J/m	50	D256A
Deflection temperature, at 455 kPa, °C	90	D648

(a) Values shown are averages and are not to be considered as specifications.
(b) ASTM test methods are the latest under the Society's current procedures. All molded specimens are prepared by injection molding.
Note: Due to the fact that different regulations in each country set different details of compliance, users of *Purell* RP271M are recommended to undertake their own investigation of the requirements and comply with each regulation set forth, for instance, in applicable local F&DA requirements. Ultimately the users must make their own determination that their use of *Purell* RP271M is safe, lawful and technically suitable in their intended applications.
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(i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
(ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
(iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
(iv) tobacco related products and applications, electronic cigarettes and similar devices.
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(ii) applications involving permanent implantation into the body;
(iii) life-sustaining medical applications.
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Purell is a trademark of LyondellBasell Industries
HMC Polymers is certified according to ISO 9001 and 14001
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