



# HMC Polymers

**A Most Admired Company**

An associate of PTTGC & LyondellBasell

## Moplen HP553R

High flow polypropylene homopolymer resin

### Features

- Good gas fading resistance
- Low taste and odor transfer
- Good chemical resistance
- Good processability

### Typical applications

- Staple and multifilament fiber
- General purpose injection molding

### PP Resin Properties (a)

	Value	ASTM METHOD(b)
Melt flow rate (230°C / 2.16 kg), dg/min	22	D1238
Density, g/cm <sup>3</sup>	0.90	D792B
Tensile strength at yield, MPa	34	D638
Elongation at yield, %	10	D638
Flexural modulus, MPa	1500	D790A
Notched izod impact strength at 23°C, J/m	20	D256A
Deflection temperature, at 455 kPa, °C	98	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 *Moplen* HP553R are recommended to undertake their own investigation of the requirements and comply with each regulation set forth, for instance, in applicable local F&D requirements. Ultimately the users must make their own determination that their use of *Moplen* HP553R is safe, lawful and technically suitable in their intended applications. Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.

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  - film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
  - 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;
  - tobacco related products and applications, electronic cigarettes and similar devices.
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  - applications involving permanent implantation into the body;
  - life-sustaining medical applications.

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HMC Polymers is certified according to ISO 9001 and 14001

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