

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 & Multifilament fiber
- General purpose injection molding

Resin properties (a)	Moplen HP553R	ASTM METHOD(b)
Melt flow rate (230 °C / 2.16 kg), dg/min	22	D1238
Density, g/cm ³	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 Society's current procedures. All molded specimens are prepared by injection

Chemical Registration / Inventory Status

All ingredients in *Moplen* HP553R meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada).

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&DA 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.

Moplen is a trademark of LyondellBasell Industries

HMC Polymers is certified according to ISO 9001 and 14001

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The purpose of this document is only for technical support of the use of the product.

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HMC Polymers Co., Ltd

20/F, Sathorn City Tower, 175 South Sathorn Road, Thungmahamek, Sathorn, Bangkok 10120, Thailand

Tel +66 2679 6388-89, 2614 3700 Fax +66 2679 6380

www.hmcpolymers.com

