

## Moplen HP552R

### Polypropylene, Homopolymer

#### Product Description

Moplen HP552R is suitable for extrusion applications. It is formulated with an anti-gasfading stabilisation package. Moplen HP552R is designed for the production of continuous filaments (CF), bulk continuous filaments (BCF) and fine denier staple fibres. Typical applications are carpets and nonwovens. For regulatory information please refer to Moplen HP552R Product Stewardship Bulletin (PSB).

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Africa-Middle East
<b>Processing Methods</b>	Continuous Filament/Spinning, Staple Fibre
<b>Features</b>	Gas-fading Resistant, Homopolymer, Good Processability
<b>Typical Customer Applications</b>	Bulk Continuous Filament & Continuous Filament, Filament Yarn, Hygiene Nonwoven, Nonwoven Staple Fibres, Staple Fiber, Wipes/Tissues

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	25	g/10 min
Melt volume flow rate (230°C/2.16 kg)	ISO 1133	34	cm <sup>3</sup> /10min
<b>Mechanical</b>			
Tensile modulus	ISO 527	1500	MPa
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	97	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	153	°C
(B50 (50°C/h 50N))		92	°C

#### Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyb.com/>.

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This product(s) may not be used in:

(i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or

(ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) 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; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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