

## Technical Data Sheet

### Moplen HP553R



Polypropylene, Homopolymer

#### Product Description

High flow polypropylene homopolymer resin.

#### Regulatory Status

For regulatory compliance information, see *Moplen* HP553R [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand
<b>Application</b>	Filament Yarn; Opaque Containers
<b>Market</b>	Consumer Products; Rigid Packaging; Textile
<b>Processing Method</b>	Continuous Filament/Spinning; Injection Molding; Staple Fiber
<b>Attribute</b>	Gas-fading Resistant; Good Processability; Homopolymer; Medium Flow

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	22	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	20	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load	98	°C	ASTM D648

## Notes

These are typical property values not to be construed as specification limits.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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