

# Moplen HP553R

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Moplen HP553R is a Homopolymer for staple fibres and filament production. It can be evaluated for applications in which good resistance to gas-fading is needed. It can be used also for injection moulding.

General Information	
Features	Gas-fading Resistant
	Good Processability
	Homopolymer
	Medium Flow
Uses	Containers
	Filaments
	Staple Fibers
	Yarn
Forms	Pellets
Processing Method	Fiber (Spinning) Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	20	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	98.0	°C	ASTM D648

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# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

