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).

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	22	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	20	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load	98	°C	ASTM D648

Manufacturer website: https://www.hmcpolymers.com/

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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