

Moplen HP552R

Homopolymer



Product Description

Moplen HP552R is the polypropylene homopolymer manufactured by UlsanPP under the license of **LyondellBasell** using the **Spheripol** process.

Moplen HP552R is typically used by customers in high speed production of staple fiber. **Moplen HP552R** resin meets the **FDA** requirements in the Code of Federal Regulations in **21 CFR 177.1520** for food contact.

Features	Good spinnability/ Good drawability/ Anti-gas fading
Market	Textile
Application	Staple fiber for diaper/ Multi-filament/ BCF/ Automobile interior part/ Master-batch base resin

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	25.5	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	15000	kg/cm ²	ASTM D790
Tensile Strength at Yield	380	kg/cm ²	ASTM D638
Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (23°C)	3	kgfcm/cm	ASTM D256
Rockwell Hardness	104	R-Scale	ASTM D785
Vicat Softening Point	152	°C	ASTM D1525
HDT (0.46 N/mm ²)	106	°C	ASTM D648

1) The above values are typical property values for reference only, not be construed as specification limits.

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- iv. lead, asbestos or MTBE related applications.

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- v. tobacco related products and applications;
- vi. electronic cigarettes and similar devices; or
- vii. pressure pipe or fittings that are considered a part or component of a nuclear reactor

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