

# Moplen HP5038

## Homopolymer



### Product Description

**Moplen HP5038** is the controlled rheology polypropylene homopolymer. It is typically used in spunbonded nonwovens. The product features are high tenacity, low fume and anti-gas fading with excellent spinnability. **Moplen HP5038** resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	High tenacity / Excellent spinnability / Anti-gas fading / Low fume
Market	Textile
Application	Diaper and sanitary napkin / Agriculture / Shopping bag / Apparel cover / Wet tissues

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	34	g/10 min	ASTM D1238L
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
Flexural Modulus	14000	kg/cm <sup>2</sup>	ASTM D790
Tensile Strength at Yield	350	kg/cm <sup>2</sup>	ASTM D638
Elongation at Yield	9	%	ASTM D638
Izod Impact Strength (23°C)	3	kgfcm/cm	ASTM D256
Rockwell Hardness	103	R-Scale	ASTM D785
Vicat Softening Point	152	°C	ASTM D1525
HDT (0.46 N/mm <sup>2</sup> )	102	°C	ASTM D648

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

2) Before using UlsanPP product, users shall review carefully Seller's instructions for the use of such product and make their own independent determination of whether the product is suitable for the intended use and can be used safely and legally. If users fail to comply with Seller's restrictions and instructions for the use of the product or an obligation to notify Seller, if applicable, of each specific application before using such product in certain categories of application, users are solely liable for any injuries or damages resulting from their use of such product and Seller shall have no liability whatsoever.

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- iii. life-sustaining medical applications; or
- iv. lead, asbestos or MTBE related applications.

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- iv. packaging in direct contact with an active pharmaceutical ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- 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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