

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 ³	ASTM D1505
Flexural Modulus	14000	kg/cm ²	ASTM D790
Tensile Strength at Yield	350	kg/cm ²	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 ²)	102	°C	ASTM D648

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

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- vii. pressure pipe or fittings that are considered a part or component of a nuclear reactor

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