

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/cm3	ASTM D1505
Flexural Modulus	14000	kg/cm2	ASTM D790
Tensile Strength at Yeild	350	kg/cm2	ASTM D638
Elongation at Yeild	9	%	ASTM D638
Izod Impact Strength (23°C)	3	kgcm/cm	ASTM D256
Rockwell Hardness	103	R-Scale	ASTM D785
Vicat Softening Point	152	°C	ASTM D1525
HDT (0.46 N/mm²)	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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