

# Moplen HP602N

## Homopolymer



### Product Description

Moplen HP602N is a homopolymer selected by customers for use in injection molding of housewares articles, toys, packaging, and closures. Moplen HP602N resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact and a flame rating of UL94HB.

**Features** Optimized balance of stiffness and toughness/Low warpage/Easy processing/Excellent color and processing stability/Outstanding gloss and surface appearance/UL94HB

**Market** Consumer Products, Rigid Packaging

**Application** Houseware articles/Toy/Closures

### ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	12	g/10 min	ASTM D1238L
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
Flexural Modulus	16000	kg/cm <sup>2</sup>	ASTM D790
Tensile Strength at Yield	350	kg/cm <sup>2</sup>	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 <sup>2</sup> )	107	°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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- iii. film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices;
- 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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