

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/ Compound

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 ³	ASTM D1505
Flexural Modulus	16000	kg/cm ²	ASTM D790
Tensile Strength at Yield	350	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)	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

※ All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

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