

Moplen HP600R

Homopolymer



Product Description

Moplen HP600R is a homopolymer selected by customers for use in injection molding of housewares articles, toys, packaging, and closures. Moplen HP600R resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Good processability/ Balanced mechanical property
Market	Consumer Products, Rigid Packaging
Application	Housewares/ Food containers

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	25	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	17000	kg/cm ²	ASTM D790
Tensile Strength at Yeild	370	kg/cm ²	ASTM D638
Elongation at Yeild	10	%	ASTM D638
Izod Impact Strength (23°C)	2.5	kgcm/cm	ASTM D256
Rockwell Hardness	110	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm ²)	115	°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. 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
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