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.**

Features	Optimized balance of stiffness and toughness/Low warpage/Easy processing/Excellent color and processing stability/Outstanding gloss and surface appearance
Market	Consumer Products, Rigid Packaging
Application	Houseware articles/Toy/Closures

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230℃,2.16kg)	12	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	16000	kg/cm2	ASTM D790
Tensile Strength at Yield	350	kg/cm2	ASTM D638
Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (23℃)	3	kgfcm/cm	ASTM D256
Rockwell Hardness	104	R-Scale	ASTM D785
Vicat Softening Point	152	℃	ASTM D1525
HDT (0.46 N/mm²)	107	℃	ASTM D648

1) The above values are typical property values for reference only not be construed as specification limits.
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ii. **U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices;**
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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