

Moplen HP748L

Homopolymer



Product Description

Moplen HP748L is a high crystallinity polypropylene homopolymer, which features an extremely high stiffness, high gloss and maintaining mechanical properties even at high temperatures. *Moplen* HP748L is selected by customers for use in the production of stiff injection moulded articles where high rigidity is needed. Typical applications of *Moplen* HP748L include compound, food packaging containers, housewares, small appliances and technical parts. It is typically used by customers in small appliances and automotive compounding applications where high rigidity and very good thermal characteristics are required. *Moplen* HP748L is used in food contact.

Features	Very high long term heat resistance and High HDT/ High Stiffness/High Crystallization Temperature/High surface hardness/ Good pigment dispersion/ UL94 HB Class and RTI
Market	Automotive/Compounds, Consumer Products
Application	Small appliances and technical parts/Rice cooker case/ Microwave oven/ Electric Kettle / Auto compound/Heater case/ Food packaging containers/ Housewares

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	6	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	22500	kg/cm ²	ASTM D790
Tensile Strength at Yield	400	kg/cm ²	ASTM D638
Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (23°C)	3	kgcm/cm	ASTM D256
Rockwell Hardness	110	R-Scale	ASTM D785
Vicat Softening Point	155	°C	ASTM D1525
HDT (0.46 N/mm ²)	130	°C	ASTM D648

1) The above values are typical property values for reference only not be construed as specification limits.

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- iii. life-sustaining medical applications; or
- 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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