



Moplen HP500N

General Purpose Polypropylene Homopolymer Resin

Features

- Good stiffness
- Good heat - age life
- Low odor and taste transfer
- Excellent resistance to environmental stress - cracking

Typical applications

- Food containers
- Housewares
- Toys
- Closures
- Hospital and institutional wares
- Multifilament fiber

PP Resin Properties (a)	Value	ASTM METHOD(b)
Melt flow rate (230°C / 2.16 kg), dg/min	12	D1238
Density, g/cm ³	0.90	D792B
Tensile strength at yield, MPa	34	D638
Elongation at yield, %	10	D638
Flexural modulus, MPa	1480	D790A
Notched izod impact strength at 23°C, J/m	25	D256A
Deflection temperature, at 455 kPa, °C	97	D648

(a) Values shown are averages and are not to be considered as specifications.

(b) ASTM test methods are the latest under the Society's current procedures. All molded specimens are prepared by injection molding.

Note: Due to the fact that different regulations in each country set different details of compliance, users of *Moplen* HP500N are recommended to undertake their own investigation of the requirements and comply with each regulation set forth, for instance, in applicable local F&DA requirements. Ultimately the users must make their own determination that their use of *Moplen* HP500N is safe, lawful and technically suitable in their intended applications.

Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.

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HMC Polymers is certified according to ISO 9001 and 14001

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The purpose of this document is only for technical support of the use of the product.

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