

Moplen HP500D

High Molecular Weight Polypropylene Homopolymer Resin

Features

- Specifically designed for melt phase thermoforming
- Low sagging
- Low yellowness
- Good stiffness
- Low taste and odor transfer
- Good heat resistance
- Excellent chemical resistance

Typical applications

- Food trays
- Food containers
- Electronic trays
- Sheets
- Non-pressure pipes
- Profiles

Resin properties (a)	Moplen HP500D	ASTM METHOD(b)
Melt flow rate (230 °C / 2.16 kg), dg/min	0.5	D1238
Density, g/cm ³	0.90	D792B
Tensile strength at yield, MPa	35	D638
Elongation at yield, %	12	D638
Flexural modulus, MPa	1560	D790A
Notched izod impact strength at 23 °C, J/m	104	D256A
Deflection temperature, at 455 kPa, °C	103	D648

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

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

Chemical Registration / Inventory Status

All ingredients in *Moplen* HP500D meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada).

Note: Due to the fact that different regulations in each country set different details of compliance, users of *Moplen* HP500D 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* HP500D is safe, lawful and technically suitable in their intended applications.

Moplen is a trademark of LyondellBasell Industries
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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