

Moplen HP644T

Polypropylene Homopolymer Resin for Thin Wall Injection

Features

- Ease of processing allows increased design freedom
- Excellent dimensional stability
- Processes with low built-in stress
- Good surface finish and color
- Low odor

Typical applications

- Food containers
- Drinking cups
- Thin wall cylinders
- Thin, complex parts
- High speed injection moulding

Resin properties (a)	Moplen HP644T	ASTM METHOD(b)
Melt flow rate (230 °C / 2.16 kg), dg/min	60	D1238
Density, g/cm ³	0.90	D792B
Tensile strength at yield, MPa	38	D638
Elongation at yield, %	8	D638
Flexural modulus, MPa	1840	D790A
Notched izod impact strength at 23 °C, J/m	22	D256A
Deflection temperature, at 455 kPa, °C	122	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* HP644T 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* HP644T 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* HP644T 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

Issued 1-Aug-08

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

Before using a HMC Polymers product, customers and other users should make their own independent determination that the product is suitable for the intended use. They should also ensure that they can use the HMC Polymers product safely and legally. This document does not constitute a warranty, express or implied, including a warranty of merchantability or fitness for a particular purpose. In addition, no immunity under HMC Polymers', LyondellBasell's or third parties' intellectual property rights shall be implied from this document. No one is authorized to make any warranties, issue any immunities or assume any liabilities on behalf of HMC Polymers except in a writing signed by an authorized HMC Polymers employee. Unless otherwise agreed in writing, the exclusive remedy for all claims is replacement of the product or refund of the purchase price at HMC Polymers' option, and in no event shall HMC Polymers be liable for special, consequential, incidental, punitive or exemplary damages

HMC Polymers Co., Ltd

20/F, Sathorn City Tower, 175 South Sathorn Road, Thungmahamek, Sathorn, Bangkok 10120, Thailand

Tel +66 2679 6388-89, 2614 3700 Fax +66 2679 6380

www.hmcpolymers.com

