

### Technical Data Sheet



### Moplen HP400M

Polypropylene, Homopolymer

#### Product Description

Moplen HP400M is a general purpose polypropylene homopolymer resin, with good processability, and low odor transfer. Typical customer applications are closures, housewares, toys, and containers.

#### Regulatory Status

For regulatory compliance information, see *Moplen HP400M* [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

|                          |                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Status</b>            | Commercial: Active                                                                                           |
| <b>Availability</b>      | Africa-Middle East; Asia-Pacific; Australia and New Zealand                                                  |
| <b>Application</b>       | Caps & Closures; Food Packaging Film; Housewares; Lamination Film; Opaque Containers; Sports, Leisure & Toys |
| <b>Market</b>            | Consumer Products; Rigid Packaging                                                                           |
| <b>Processing Method</b> | Cast Film; Injection Molding                                                                                 |
| <b>Attribute</b>         | General Purpose; Good Strength; Homopolymer                                                                  |

| Typical Properties                    | Nominal Value | Units             | Test Method |
|---------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                       |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)      | 7.5           | g/10 min          | ASTM D1238  |
| Density                               | 0.90          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                     |               |                   |             |
| Flexural Modulus                      | 1450          | MPa               | ASTM D790   |
| Tensile Strength at Yield             | 34            | MPa               | ASTM D638   |
| Tensile Elongation at Yield           | 10            | %                 | ASTM D638   |
| <b>Impact</b>                         |               |                   |             |
| Notched Izod Impact Strength, (23 °C) | 27            | J/m               | ASTM D256   |
| <b>Thermal</b>                        |               |                   |             |
| Deflection Temperature Under Load     | 96            | °C                | ASTM D648   |



### Notes

These are typical property values not to be construed as specification limits.

### Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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