

## Technical Data Sheet

### Moplen HP500N B



Polypropylene, Homopolymer

#### Product Description

Moplen HP500N B is a homopolymer used for general purpose injection moulding applications. It exhibits good flow and stiffness. Moplen HP500N B is suitable for food contact.

#### Regulatory Status

For regulatory compliance information, see Moplen HP500N B [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                         |   |
|-------------------------|---|
| <b>Status</b>           | Commercial: Active                              |
| <b>Availability</b>     | China   |
| <b>Application</b>      | Furniture; Housewares                           |
| <b>Market</b>           | Compounding; Consumer Products; Rigid Packaging |
| <b>Processing</b>       | Compounding; Injection Blow Molding             |
| <b>Method Attribute</b> | Medium Flow; Medium Stiffness                   |

| <b>Typical Properties</b>  | <b>Nominal Value Units</b> | <b>Test Method</b> |
|--|----------------------------|--------------------|
| <b>Physical</b>  |                            |                    |
| Melt Flow Rate, (230 °C/2.16 kg)                                     | 12 g/10 min                | ISO 1133-1         |
| <b>Mechanical</b>  |                            |                    |
| Flexural Modulus   | 1475 MPa                   | ISO 178            |
| Tensile Stress at Yield, (23 °C)                                     | 35 MPa                     | ISO 527-1, -2      |
| Tensile Strain at Yield, (23 °C)                                     | 10 %                       | ISO 527-1, -2      |
| <b>Impact</b>  |                            |                    |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 3 kJ/m <sup>2</sup>        | ISO 179            |
| <b>Thermal</b>   |                            |                    |
| Vicat Softening Temperature (A/50 N)                                 | 153 °C                     | ISO 306            |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed)                | 95 °C                      | ISO 75B-1, -2      |

## **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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