

### Technical Data Sheet



#### Moplen HP740T

Polypropylene, Homopolymer

##### Product Description

Moplen HP740T is a polypropylene homopolymer with outstanding flowability, excellent transparency, high gloss, and high stiffness. Typical customer applications are rigid packaging, thin wall injection molding (TWIM) of food trays, drinking cups, plastic files, DVD casing.

##### Regulatory Status

For regulatory compliance information, see [Moplen HP740T Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Status            | Commercial: Active                                                                        |
| Availability      | Africa-Middle East; Asia-Pacific; Australia and New Zealand                               |
| Application       | Clear Containers; Housewares; Opaque Containers                                           |
| Market            | Consumer Products; Rigid Packaging                                                        |
| Processing Method | Injection Molding                                                                         |
| Attribute         | Fast Cycle (Production); High Clarity; High Flow; High Gloss; High Stiffness; Homopolymer |

| Typical Properties                                           | Nominal Value | Units             | Test Method |
|--------------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                              |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                             | 60            | g/10 min          | ASTM D1238  |
| Density                                                      | 0.90          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                            |               |                   |             |
| Flexural Modulus                                             | 1800          | MPa               | ASTM D790   |
| Tensile Strength at Yield                                    | 37            | MPa               | ASTM D638   |
| Tensile Elongation at Yield                                  | 10            | %                 | ASTM D638   |
| <b>Impact</b>                                                |               |                   |             |
| Notched Izod Impact Strength, (23 °C)                        | 20            | J/m               | ASTM D256   |
| <b>Hardness</b>                                              |               |                   |             |
| Rockwell Hardness, (R-Scale)                                 | 105           |                   | ASTM D785   |
| <b>Thermal</b>                                               |               |                   |             |
| Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> ) | 125           | °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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