

Technical Data Sheet

Moplen HP400H



Polypropylene, Homopolymer

Product Description

Moplen HP400H is a homopolymer for extrusion and compounding applications.

Moplen HP400H exhibits easy processability and a good stiffness/impact balance at ambient temperature.

It is typically used by customers in applications such as: thermoformed tubs, containers, medium draw trays and blister packs, flowerpots and small extrusion blow moulded bottles.

Regulatory Status

For regulatory compliance information, see Moplen HP400H [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

| | |
|--------------------------|---|
| Status | Commercial: Active |
| Availability | Africa-Middle East; Europe |
| Application | Caps & Closures; Housewares; Opaque Containers |
| Market | Rigid Packaging |
| Processing Method | Compounding; Extrusion Blow Molding; Sheet and Profile Extrusion; Thermoforming |
| Attribute | Homopolymer; Low Flow; Medium Stiffness |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 2.1 | g/10 min | ASTM D1238 |
| Density | 0.90 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Flexural Modulus | 1450 | MPa | ASTM D790 |
| Tensile Strength at Yield | 33 | MPa | ASTM D638 |
| Tensile Elongation at Break, (23 °C) | 11 | % | ASTM D638 |
| Impact | | | |
| Notched Izod Impact Strength, (23 °C) | 40 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load, (0.46 N/mm ²) | 95 | °C | ASTM D648 |

Notes

ASTM properties above are typical values of LYB products from Asia.

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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