

## 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 \(SDS\)](#).

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	2	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield	34	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	11	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	8	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Vicat Softening Temperature, (A/50 N)	150	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°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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