

## Technical Data Sheet

### Moplen EP400M



Polypropylene, Impact Copolymer

#### Product Description

Moplen EP400M is a polypropylene impact copolymer with optimized balance of stiffness and toughness, high impact strength at low temperature, low warpage, good weld strength in battery casing. Typical applications include moulding of parts for electrical appliances, containers, battery casing.

#### Regulatory Status

For regulatory compliance information, see Moplen EP400M [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Restricted
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand
<b>Application</b>	Appliances; Battery Cases; Containers
<b>Market</b>	Consumer Products; Electrical / Electronics; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Impact Resistance; Good Stiffness; Impact Copolymer; Low Warpage

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	9	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1100	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength			
(23 °C)	150	J/m	ASTM D256
(-20 °C)	60	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	90		ASTM D785
<b>Thermal</b>			
Vicat Softening Point	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	100	°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/>.

© LyondellBasell Industries Holdings, B.V. 2018

## Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

## Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.