

## Technical Data Sheet

### *Moplen* HP555E



Polypropylene, Homopolymer

#### Product Description

LyondellBasell Australia's Polypropylene grade *Moplen* HP555E is a very low flow homopolymer with a conventional molecular weight distribution and is formulated with an enhanced process stability additive package. *Moplen* HP555E is designed for extrusion processes which demand high melt strength and melt stability characteristics. End use products typically made from *Moplen* HP555E include strapping, mechanically fibrillated yarns, profiles and blow moulded packaging.

#### Regulatory Status

For regulatory compliance information, see *Moplen* HP555E [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Asia-Pacific; Australia and New Zealand
<b>Application</b>	Panels & Profiles; Strapping
<b>Market</b>	Industrial Packaging; Industrial, Building & Construction; Rigid Packaging; Textile
<b>Processing Method</b>	Extrusion Blow Molding; Sheet; Thermoforming
<b>Attribute</b>	Good Melt Strength; High Melt Stability; Low Flow

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	0.80	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1450	MPa	ISO 178
Tensile Stress at Yield	33	MPa	ISO 527-1, -2
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	9	kJ/m <sup>2</sup>	ISO 180/1A
<b>Hardness</b>			
Shore Hardness, (Shore D)	75		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature	155	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	92	°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/>.

© 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.