

## Technical Data Sheet

### Moplen RP325M

Polypropylene, Random Copolymer



#### Product Description

Moplen RP325M is a controlled rheology medium modified polypropylene random copolymer. It contains slip and anti-blocking additives.

Moplen RP325M is typically used by customers for manufacturing of un-oriented cast films. Customer report lamination, textile and packaging of foodstuffs as typical applications.

It has been reported by customers that Moplen RP325M exhibit good processability, and that films produced with Moplen RP325M exhibits high clarity and gloss, softness and good heat weldability.

#### Regulatory Status

For regulatory compliance information, see Moplen RP325M [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Europe
<b>Application</b>	Food Packaging Film; Lamination Film; Stationery Film; Textile Packaging Film
<b>Market</b>	Flexible Packaging
<b>Processing Method</b>	Cast Film
<b>Attribute</b>	Controlled Rheology; Good Heat Seal; High Clarity; Random Copolymer; Unspecified Antiblocking; Unspecified Slip

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	8.5	g/10 min	ISO 1133-1
Density	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	850	MPa	ISO 178
Tensile Stress at Break	28	MPa	ISO 527-1, -2
Tensile Stress at Yield	25	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	13	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	7	kJ/m <sup>2</sup>	ISO 179-1/1eA
(0 °C)	2	kJ/m <sup>2</sup>	ISO 179-1/1eA
<b>Thermal</b>			
Vicat Softening Temperature, (A/50 N)	135	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	68	°C	ISO 75B-1, -2

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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