

## Technical Data Sheet

### Moplen RP320M



Polypropylene, Random Copolymer

#### Product Description

*Moplen* RP320M is a controlled rheology medium modified polypropylene random copolymer. It does not contain slip or anti-blocking additives.

*Moplen* RP320M 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* RP320M exhibit good processability, and that films produced with *Moplen* RP320M exhibits high clarity and gloss, softness and good heat weldability.

#### Regulatory Status

For regulatory compliance information, see *Moplen* RP320M [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

This grade is supported for use in drinking water applications.

<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; Good Processability; High Clarity; High Gloss; Random Copolymer; Weldable

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

## Company Information

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

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