

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 cast films.

Moplen RP320M exhibit very good processability and films produced with Moplen RP320M exhibits high clarity, high gloss, high 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.

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Food Packaging Film; Lamination Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	Controlled Rheology; Good Heat Seal; Good Processability; High Clarity; High Gloss; Random Copolymer; Weldable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.5	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
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
Impact			
Charpy Impact Strength - Notched			
(23 °C)	7	kJ/m ²	ISO 179-1/1eA
(0 °C)	2	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A/50)	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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