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/cm³	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/m²	ISO 179-1/1eA
(0 °C)	2	kJ/m²	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

Manufacturer website: https://www.lyondellbasell.com/en/

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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