Technical Data Sheet

Moplen RP316M

Polypropylene, Random Copolymer

Product Description

Moplen RP316M is a slightly modified polypropylene random copolymer. It contains slip, anti-blocking and anti-static additives.

Moplen RP316M is typically used by customers for manufacturing of cast films.

Moplen RP316M exhibit very good processability and films produced with *Moplen* RP316M exhibits good clarity, high gloss and high heat weldability.

Regulatory Status

For regulatory compliance information, see *Moplen* RP316M Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Food Packaging Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	Contains Antistat; Good Processability; High Clarity; High Gloss; Medium Rigidity; 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	1100	MPa	ISO 178
Tensile Stress at Break	27	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	12	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	6	kJ/m²	ISO 179-1/1eA
(0 °C)	2	kJ/m²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A/50)	140	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	75	°C	ISO 75B-1, -2
Additive			
Slip, Erucamide	2000	ppm	LYB Method

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

Antiblock	1600	ppm	LYB Method
Antistat	not specified	ppm	LYB Method

Notes

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

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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