Technical Data Sheet

Moplen HP510M

Polypropylene, Homopolymer

Product Description

Moplen HP510M is a polypropylene homopolymer. It doesn't contain slip and anti-blocking additives.

Moplen HP510M is typically used by customers for cast films. *Moplen* HP510M is used by customers in many different applications, such as packaging and lamination films for foodstuffs (pasta, snacks, biscuits, bakery products and confectionery), or film for packaging of flowers and books stationery.

Films made with *Moplen* HP510M have been reported by customers to exhibit very high transparency and high gloss.

Regulatory Status

For regulatory compliance information, see *Moplen* HP510M Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

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

Processing Techniques

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 Stiffness; High Clarity; High Gloss; Homopolymer; Metallizeable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	9.0	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1300	MPa	ISO 178
Tensile Stress at Break	19	MPa	ISO 527-1, -2
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	11	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A/50)	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	85	°C	ISO 75B-1, -2

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

Notes

Company Information

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

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