

Technical Data Sheet

Moplen HP500W

Polypropylene, Homopolymer



Product Description

Moplen HP500W is a polypropylene homopolymer. *Moplen* HP500W is suitable for injection moulding applications and can also be used in technical compounds as a flow modifier. It has a very high melt flow rate, a narrow molecular weight distribution and it is supplied in pelletized form.

Regulatory Status

For regulatory compliance information, see *Moplen* HP500W [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Application	Automotive Parts; Polymer Modifier; TWIM Non-food Containers
Market	Automotive; Compounding
Processing Method	Injection Molding
Attribute	High Flow; Low Viscosity

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	150	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1600	MPa	ISO 178
Tensile Stress at Break	34	MPa	ISO 527-1, -2
Tensile Strain at Break	10	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A50)	153	°C	ISO 306
DSC Melting Point	164	°C	DSC

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

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

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- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

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- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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