

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 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	1500	MPa	ISO 178
Tensile Modulus	1600	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	35	MPa	ASTM D638
Tensile Strain at Yield, (23 °C)	8	%	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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