



## Moplen HP500N

### Polypropylene, Homopolymer

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#### Product Description

"Moplen" HP500N is a homopolymer suitable for injection moulding applications. It exhibits a good fluidity combined with a high stiffness.

"Moplen" HP500N is extensively used in many injection moulding applications, such as furniture, crates, closures and containers.

"Moplen" HP500N is suitable for food contact.

#### Product Characteristics

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<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Africa-Middle East
<b>Features</b>	Flow, Good, Homopolymer, Stiffness, Good
<b>Typical Customer Applications</b>	Containers, Crates, Furniture, Injection Moulded Caps and Closures

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.90	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	12	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	16	cm <sup>3</sup> /10min
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	1550	MPa
Tensile Stress at Yield	ISO 527-1, -2	35	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
<b>Impact</b>			
Charpy unnotched impact strength (0 °C)	ISO 179	30	kJ/m <sup>2</sup>
Charpy unnotched impact strength (23 °C)		110	kJ/m <sup>2</sup>
Charpy notched impact strength (0 °C)	ISO 179	-	kJ/m <sup>2</sup>

#### Notes

Typical properties; not to be construed as specifications.

#### Additional Properties

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#### Further Information

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Release Date: 19 Nov 2004