



## Moplen HF501N

### Polypropylene, Homopolymer

#### Product Description

Moplen HF501N is a non pelletized homopolymer powder. The product is non stabilized. When pelletized and additivated Moplen HF501N is suitable for injection moulding. The main applications for HF501N are mineral filled compounds, colour and additives masterbatches, furnitures. Moplen HF501N has a wide range of approval for contact with food but for specific applications, please refer to LyondellBasell. The properties reported below are measured on the pelletized and additivated resin.

#### Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Features	Good Flow , Homopolymer, Good Stiffness

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.9	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	10	g/10 min
<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	%
Tensile Strain at Yield	ISO 527-1, -2	9	%
<b>Impact</b>			
Charpy notched impact strength (23 °C)	ISO 179	3.0	kJ/m <sup>2</sup>
<b>Thermal</b>			
Vicat softening temperature A/50	ISO 306	155	°C

#### Notes

Typical properties; not to be construed as specifications.