

## Technical Data Sheet

### Moplen HP500V



Polypropylene, Homopolymer

#### Product Description

*Moplen* HP500V is an ultra high fluidity homopolymer polypropylene suitable for thin walled injection moulding applications and as base resin for compounding applications. The product combines a high stiffness with good impact resistance. In addition a good dimensional stability is given.

*Moplen* HP500V is used for items with long flow paths as well as for long glass fibre reinforced recipes (GMT/LFT). *Moplen* HP500V contains neither nucleation agents nor antistaticums or slip/antiblock agents.

<b>Market</b>	Pipe
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	High Flow; High Stiffness

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	120	g/10 min	ISO 1133-1
Density	0.91	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1300	MPa	ISO 178
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	34	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	10	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C)	>=2	kJ/m <sup>2</sup>	ISO 179-1/1eA
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	150	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2