

## Technical Data Sheet

### Moplen HP500D



Polypropylene, Homopolymer

#### Product Description

Moplen HP500D is a high molecular weight polypropylene homopolymer resin, with good stiffness, good heat resistance, low sagging, low yellowness, low odor, and excellent chemical resistance. Typical customer applications are extrusion of sheets, profiles and non-pressure pipes, as well as for trays and containers, for food or electronic components.

<b>Application</b>	Containers; General Sheet Extrusion; Thermoformed Food Containers
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Sheet; Sheet and Profile Extrusion; Thermoforming
<b>Attribute</b>	High Molecular Weight; High Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	0.5	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1560	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	104	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load	103	°C	ASTM D648