

## Technical Data Sheet

### *Moplen* HP601N



Polypropylene, Homopolymer

#### Product Description

*Moplen* HP601N is a polypropylene homopolymer with excellent processability and stretchability, and high mechanical properties. Typical customer applications are glass mat sheets, and injection molding.

<b>Application</b>	Housewares
<b>Market</b>	Consumer Products; Industrial, Building & Construction; Rigid Packaging
<b>Processing Method</b>	Injection Molding; Sheet; Thermoforming
<b>Attribute</b>	Good Processability; Good Strength; Good Stretchability; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1700	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)	30	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	104		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	107	°C	ASTM D648