



## Moplen HP602N

### Polypropylene, Homopolymer

#### Product Description

Moplen HP602N is a polypropylene homopolymer manufactured using the Spheripol process. It is known for its optimized balance of stiffness and toughness, and is particularly suitable for injection molding. Potential end use applications include housewares, toys, closures and other packaging items.

#### Product Characteristics

Test Method used	ASTM
Processing Methods	Injection Molding
Features	Good Color Stability, High Gloss , Homopolymer, Good Processability, Good Processing Stability, Good Stiffness , Good Surface Finish, Good Toughness, Low Warpage
Typical Customer Applications	Caps & Closures, Housewares, Opaque Containers, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	12	g/10 min
Density	ASTM D 1505	0.9	g/cm <sup>3</sup>
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	16000	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	350	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	12	%
<b>Impact</b>			
Notched Izod Impact (23 °C)	ASTM D 256	3	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	ASTM D 785	104	
<b>Thermal</b>			
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	107	°C