



## Moplen HP640R

### Polypropylene, Homopolymer

#### Product Description

Moplen HP640R is a polypropylene homopolymer manufactured using the Spheripol process. It is particularly suitable for thin wall injection molding, with potential end use applications in housewares, rigid food packaging and closures.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ASTM
<b>Availability</b>	Asia-Pacific, Australia/NZ, Africa-Middle East
<b>Processing Methods</b>	Injection Molding
<b>Features</b>	Fast Cycle (Production) , Good Flow, High Gloss , Homopolymer, Good Processability, High Stiffness
<b>Typical Customer Applications</b>	Caps & Closures, Clear Containers, Housewares, Opaque Containers

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	24	g/10 min
Density	ASTM D 1505	0.9	g/cm <sup>3</sup>
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	19000	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	380	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	10	%
<b>Impact</b>			
Notched Izod Impact (23 °C)	ASTM D 256	2.5	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	110	
<b>Thermal</b>			
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	122	°C

#### Notes

Typical properties; not to be construed as specifications.