



## Moplen HP400M

### Polypropylene, Homopolymer

#### Product Description

Moplen HP400M is a homopolymer for injection moulding. The main applications of Moplen HP400M are closures, containers and housewares.

#### 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>	General Purpose, Homopolymer, Good Strength
<b>Typical Customer Applications</b>	Caps & Closures, Housewares, Opaque Containers, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density -Specific Gravity	ASTM D 792	0.9	sp gr 23/23°C
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	7.5	g/10 min
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	1450	MPa
Tensile Strength @ Yield	ASTM D 638	34	MPa
Tensile Elongation @ Yield	ASTM D 638	10	%
<b>Impact</b>			
Notched Izod Impact (23 °C)	ASTM D 256	27	J/m
<b>Thermal</b>			
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	96	°C

#### Notes

Typical properties; not to be construed as specifications.