



## Moplen HP400K

### Polypropylene, Homopolymer

#### Product Description

Moplen HP400K is a general purpose homopolymer, can be processed by extrusion processes and injection moulding process. Typical applications include slit tapes, straws, housewares and funitures.

#### Product Characteristics

<b>Test Method used</b>	ASTM
<b>Processing Methods</b>	Injection Molding, Tapes & Raffia
<b>Features</b>	Good Chemical Resistance, General Purpose, Homopolymer, Low Odor Transfer, Low to No Odor, Good Processability, Good Strength, Low Taste Transfer
<b>Typical Customer Applications</b>	Filament Yarn, Furniture, Housewares, Raffia/Tapes/Strapping

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density -Specific Gravity	ASTM D 792	0.90	g/cm <sup>3</sup>
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	4	g/10 min
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	1400	MPa
Tensile Strength @ Yield	ASTM D 638	33	MPa
Tensile Elongation @ Yield	ASTM D 638	11	%
<b>Impact</b>			
Notched Izod Impact (23 °C)	ASTM D 256	32	J/m
<b>Thermal</b>			
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	93	°C