



## Moplen EP500M

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP500M is a polypropylene impact copolymer manufactured using the Spheripol process. It has good balance of stiffness and toughness. Typical applications include moulding of parts for electrical appliances, containers, battery case.

#### Product Characteristics

<b>Test Method used</b>	ASTM
<b>Processing Methods</b>	Injection Molding
<b>Features</b>	Impact Copolymer, Good Impact Resistance , Good Stiffness , Low Warpage, Weldable
<b>Typical Customer Applications</b>	Battery Cases, Opaque Containers, Small Appliances

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	9.0	g/10 min
Density	ASTM D 1505	0.9	g/cm <sup>3</sup>
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	15000	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	250	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	5.5	%
<b>Impact</b>			
Notched Izod Impact (23 °C)	ASTM D 256	15	kg-cm/cm
(-20 °C)		5	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	ASTM D 785	80	