



## Moplen EP641P

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP641P is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for having an optimized balance of stiffness and toughness. Potential applications include injection molding of containers, housewares, crates and pails, and electrical appliance parts.

#### 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>	Impact Copolymer, Good Impact Resistance , Good Stiffness
<b>Typical Customer Applications</b>	Crates, Housewares, Opaque Containers, Small Appliances

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density -Specific Gravity	ASTM D 792	0.9	g/cm <sup>3</sup>
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	20	g/10 min
<i>Note: D1238L</i>			
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	15000	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	280	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	5	%
<b>Impact</b>			
Notched Izod Impact	ASTM D 256		
(23 °C)		11	kg-cm/cm
(-20 °C)		5	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	90	
<b>Thermal</b>			
Vicat softening point	ASTM D 1525	150	°C
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	110	°C

#### Notes

Typical properties; not to be construed as specifications.