



## Moplen EP640T

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP640T is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for its optimized balance of stiffness and toughness. Potential applications include injection molding of electrical appliance parts, thin-wall packaging, and general housewares.

#### Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, High Flow , High Stiffness
Typical Customer Applications	Cooling, Dishwashing, Housewares, Opaque Containers, Washing

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	51	g/10 min
Note: ASTM D1238L			
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	17000	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)		7	kg-cm/cm
(-20 °C)		3	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	98	

#### Notes

Typical properties; not to be construed as specifications.