



## Moplen EP542T

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP542T 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 automotive parts, electrical appliance parts, Thin-wall packaging, and houswares like chopping boards, etc.

#### 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 , Good Impact Resistance , Good Strength
Typical Customer Applications	Cooling, Dishwashing, Housewares, Opaque Containers, Washing

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	52	g/10 min
Note: ASTM D1238L			
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	13000	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	270	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	5	%
<b>Impact</b>			
Notched Izod Impact	ASTM D 256		
(23 °C)		8	kg-cm/cm
(-20 °C)		4	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	95	

#### Notes

Typical properties; not to be construed as specifications.