



## Moplen EP640V

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP640V is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for its optimized balance of stiffness and toughness. Typical applications include injection molding of Multimedia Packaging like DVD cases, automotive bumpers and door trims (low pressure molding). Other potential uses include general housewares, thin wall containers molding and as base resin for producing compounds.

#### 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, High Flow , High Stiffness, Low Warpage
<b>Typical Customer Applications</b>	Bumpers, Exterior Applications, Housewares, Interior Applications, Multi Media Packaging, Opaque Containers

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	100	g/10 min
<i>Note: ASTM D1238L</i>			
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	16000	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	270	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	3	%
<b>Impact</b>			
Notched Izod Impact	ASTM D 256		
(23 °C)		5	kg-cm/cm
(-20 °C)		2.5	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	100	

#### Notes

Typical properties; not to be construed as specifications.