



## Moplen EP642S

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP642S is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for having an optimized balance of stiffness and toughness. Typical applications include injection molding of Thin Wall Containers and other housewares, and as base resin for compounding.

#### 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 Heat Resistance , Good Processability, High Stiffness
<b>Typical Customer Applications</b>	Housewares, 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	37	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	280	kg/cm <sup>2</sup>
<b>Impact</b>			
Notched Izod Impact (23 °C)	ASTM D 256	8	kg-cm/cm
		4	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	98	
<b>Thermal</b>			
Vicat softening point	ASTM D 1525	150	ccmil/100in <sup>2</sup> at-d
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	125	°C

#### Notes

Typical properties; not to be construed as specifications.