



## Moplen EP336J

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP336J is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for having an optimized balance of stiffness and toughness, with high impact strength at low temperatures. Potential applications include injection molding of housewares, toys and crates.

#### 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, Low Temperature Impact Resistance, High Stiffness, Low Warpage
<b>Typical Customer Applications</b>	Crates, Housewares, Opaque Containers, Sports, Leisure and Toys

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	3	g/10 min
<i>Note: ASTM D1238L</i>			
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	12000	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	250	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	7	%
<b>Impact</b>			
Notched Izod Impact	ASTM D 256		
(-20 °C)		6	kg-cm/cm
(23 °C)		45	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	86	
<b>Thermal</b>			
Vicat softening point	ASTM D 1525	147	°C
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	96	°C

#### Notes

Typical properties; not to be construed as specifications.