

## Moplen EP649N

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP649N is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for having a good balance of mechanical properties with high gloss. Typical applications include injection molding of electrical appliance parts, toys and housewares.

#### 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>	Antistatic, Impact Copolymer, High Gloss , Scratch Resistant, High Stiffness
<b>Typical Customer Applications</b>	Dishwashing, Housewares, Opaque Containers, Small Appliances, Sports, Leisure and Toys, 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	10	g/10 min
<i>Note: ASTM D1238L</i>			
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	18500	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	320	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	7	%
<b>Impact</b>			
Notched Izod Impact	ASTM D 256		
(23 °C)		10	kg-cm/cm
(-20 °C)		4.0	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	105	
<b>Thermal</b>			
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	130	°C

#### Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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