



Moplen EP647N

Polypropylene, Impact Copolymer

Product Description

Moplen EP647N is a polypropylene impact copolymer manufactured using the Spheripol process. This grade has high gloss and contains antistatic agent. Typical applications include injection molding of electrical appliance parts, toys and containers.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Method	Injection Molding
Features	Antistatic, Impact Copolymer, High Gloss, Scratch Resistant, High Stiffness
Typical Customer Applications	Cooling, Sports, Leisure and Toys, Housewares, Washing, Small Appliances, Opaque Containers

Typical Properties	Method	Value Unit
Physical		
Density -Specific Gravity	ASTM D 792	0.9 g/cm ³
Melt flow rate (230°C/2.16kg)	ASTM D 1238	10 g/10 min
<i>Note: ASTM D1238L</i>		
Mechanical		
Tensile Strength @ Yield	ASTM D 638	300 kg/cm ²
Flexural Modulus	ASTM D 790	16000 kg/cm ²
Tensile Elongation @ Yld	ASTM D 638	7 %
Impact		
Notched izod impact (23 °C)	ASTM D 256	9.0 kg-cm/cm
(-20 °C)		5.0 kg-cm/cm
Hardness		
Rockwell Hardness (R Scale)	ASTM D 785	98
Thermal		
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	125 °C

Notes

Typical properties; not to be construed as specifications.

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

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