



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 Methods	Injection Molding
Features	Antistatic, Impact Copolymer, High Gloss, Scratch Resistant, High Stiffness
Typical Customer Applications	Cooling, Housewares, Opaque Containers, Small Appliances, Sports, Leisure and Toys, Washing

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			
Flexural Modulus	ASTM D 790	16000	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	300	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	7	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		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.