



Moplen EP648N

Polypropylene, Impact Copolymer

Product Description

Moplen EP648N 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 gloss. 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	Dishwashing, 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/cm³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	10	g/10 min
Note: ASTM D1238L			
Mechanical			
Flexural Modulus	ASTM D 790	16500	kg/cm²
Tensile Strength @ Yield	ASTM D 638	300	kg/cm²
Tensile Elongation @ Yield	ASTM D 638	8	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		7.5	kg-cm/cm
(-20 °C)		4.0	kg-cm/cm
Thermal			
Heat deflection temperature at 0.46 N/mm2	ASTM D 648	125	°C

Notes

Typical properties; not to be construed as specifications.