



Moplen EP500N

Polypropylene, Impact Copolymer

Product Description

Moplen EP500N is a polypropylene impact copolymer manufactured using the Spheripol process. This grade has optimized balance of stiffness and toughness. Potential applications include injection molding of containers, crates and pails, electrical appliance parts and general housewares.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, Good Impact Resistance , Good Processability, Good Stiffness
Typical Customer Applications	Furniture, Housewares, Opaque Containers, Small Appliances

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	12.0	g/10 min
Density	ASTM D 1505	0.9	g/cm³
Mechanical			
Flexural Modulus	ASTM D 790	11500	kg/cm²
Tensile Strength @ Yield	ASTM D 638	270	kg/cm²
Tensile Elongation @ Yield	ASTM D 638	6	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		10	kg-cm/cm
(-20 °C)		5	kg-cm/cm
Hardness			
Rockwell Hardness (R-Scale)	ASTM D 785	95	

Notes

Typical properties; not to be construed as specifications.