



Moplen EP500M

Polypropylene, Impact Copolymer

Product Description

Moplen EP500M is a polypropylene impact copolymer manufactured using the Spheripol process. It has good balance of stiffness and toughness. Typical applications include moulding of parts for electrical appliances, containers, battery case.

Product Characteristics

Test Method used	ASTM		
Processing Methods	Injection Molding		
Features	Impact Copolymer, Good Impact Resistance , Good Stiffness , Low Warpage, Weldable		
Typical Customer Applications	Battery Cases, Opaque Containers, Small Appliances		

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	9.0	g/10 min
<i>Note: ASTM D1238L</i>			
Density	ASTM D 1505	0.9	g/cm ³
Mechanical			
Flexural Modulus	ASTM D 790	15000	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	250	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	5.5	%
Impact			
Notched Izod Impact (23 °C) (-20 °C)	ASTM D 256	15 5	kg-cm/cm kg-cm/cm
Hardness			
Rockwell Hardness (R-Scale)	ASTM D 785	80	