



Moplen EP440M

Polypropylene, Impact Copolymer

Product Description

Moplen EP440M is a high isotacticity polypropylene impact copolymer manufactured using the Spheripol process. The grade is known for having an optimized balance of stiffness and toughness. Typical application in the injection molding of battery cases.

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 Flow, Good Impact Resistance, Low Warpage, Weldable
Typical Customer Applications	Battery Cases

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	9	g/10 min
Note: ASTM D1238L			
Mechanical			
Flexural Modulus	ASTM D 790	12000	kg/cm²
Tensile Strength @ Yield	ASTM D 638	280	kg/cm²
Tensile Elongation @ Yield	ASTM D 638	6	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		10	kg-cm/cm
(-20 °C)		4	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	97	

Notes

Typical properties; not to be construed as specifications.