



Moplen EP400M

Polypropylene, Impact Copolymer

Product Description

Moplen EP400M is a polypropylene impact copolymer manufactured using the Spheripol process. Typical applications include moulding of parts for electrical appliances, containers, battery case. PMC will delete this grade and replaced by Moplen EP500M

Product Characteristics

Status	Commercial: Restricted
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, Good Impact Resistance , Good Stiffness , Low Warpage
Typical Customer Applications	Appliances, Battery Cases, Containers

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	11000	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	270	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	6	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		15	kg-cm/cm
(-20 °C)		6	kg-cm/cm
Hardness			
Rockwell Hardness (R-Scale)	ASTM D 785	90	

Notes

Typical properties; not to be construed as specifications.