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

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 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) *Note*: ASTM D1238L	ASTM D 1238	9.0	g/10 min
Density	ASTM D 1505	0.9	g/cm³
Mechanical			
Flexural Modulus	ASTM D 790	15000	kg/cm²
Tensile Strength @ Yield	ASTM D 638	250	kg/cm²
Tensile Elongation @ Yield	ASTM D 638	5.5	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		15	kg-cm/cm
(-20 °C)		5	kg-cm/cm
Hardness			
Rockwell Hardness (R-Scale)	ASTM D 785	80	

Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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