

## Technical Data Sheet

### Moplen EP400M



Polypropylene, Impact Copolymer

#### Product Description

Moplen EP400M is a polypropylene impact copolymer with optimized balance of stiffness and toughness, high impact strength at low temperature, low warpage, good weld strength in battery casing. Typical applications include moulding of parts for electrical appliances, containers, battery casing.

<b>Application</b>	Appliances; Battery Cases; Containers
<b>Market</b>	Consumer Products; Electrical / Electronics; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Impact Resistance; Good Stiffness; Impact Copolymer; Low Warpage

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	9	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1100	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength			
(23 °C)	150	J/m	ASTM D256
(-20 °C)	60	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	90		ASTM D785
<b>Thermal</b>			
Vicat Softening Point	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	100	°C	ASTM D648