

Technical Data Sheet

Moplen EP400L



Polypropylene, Impact Copolymer

Product Description

Moplen EP400L is a polypropylene impact copolymer resin, with improved impact stiffness balance and good dimensional stability. Typical customer applications are industrial containers, pails and crates, motorcycle parts, electrical appliances, and toys.

Application	Crates; Furniture; Housewares; Opaque Containers; Small Appliances; Sports, Leisure & Toys
Market	Consumer Products; Electrical / Electronics; Industrial Packaging; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Good Impact Resistance; Good Stiffness; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	1220	MPa	ASTM D790
Tensile Strength at Yield	25	MPa	ASTM D638
Tensile Elongation at Yield	7	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	132	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load	88	°C	ASTM D648