



Moplen EP641P

Polypropylene, Impact Copolymer

Product Description

Moplen EP641P is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for having an optimized balance of stiffness and toughness. Potential applications include injection molding of containers, housewares, crates and pails, and electrical appliance parts.

Product Characteristics

Test Method used	ASTM
Processing Methods	Injection Molding
Features	Impact Copolymer, Good Impact Resistance , Good Stiffness
Typical Customer Applications	Crates, Housewares, Opaque Containers, Small Appliances

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	20	g/10 min
Note: D1238L			
Mechanical			
Flexural Modulus	ASTM D 790	15000	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	280	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	5	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		11	kg-cm/cm
(-20 °C)		5	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	90	
Thermal			
Vicat softening point	ASTM D 1525	150	°C
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	110	°C