



Moplen EP640R

Polypropylene, Impact Copolymer

Product Description

Moplen EP640R is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for its optimized balance of stiffness and toughness. Potential applications include injection molding of washing machine tubs, electrical appliance parts, thin-wall packaging, and general housewares.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, High Stiffness
Typical Customer Applications	Cooling, Dishwashing, Housewares, Opaque Containers, Washing

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	g/cm³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	32	g/10 min
Note: ASTM D1238L			
Mechanical			
Flexural Modulus	ASTM D 790	16000	kg/cm²
Tensile Strength @ Yield	ASTM D 638	280	kg/cm²
Tensile Elongation @ Yield	ASTM D 638	5	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		9	kg-cm/cm
(-20 °C)		4	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	98	

Notes

Typical properties; not to be construed as specifications.