



Moplen EP640S

Polypropylene, Impact Copolymer

Product Description

Moplen EP640S 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 electrical appliance parts, thin-wall packaging, and general housewares.

Product Characteristics

Status	Commercial: Restricted
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, Good Impact Resistance , High Stiffness
Typical Customer Applications	Appliances, Automotive Parts, Housewares, TWIM Food Containers, TWIM Non-food Containers

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	40	g/10 min
<i>Note: ASTM D1238L</i>			
Mechanical			
Flexural Modulus	ASTM D 790	16000	lb/ft ³
Tensile Strength @ Yield	ASTM D 638	280	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	4	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		8	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.