



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 Method	Injection Moulding
Features	Copolymer, Impact, Stiffness, High
Typical Customer Applications	Cooling, Housewares, Dishwashing, Washing, Opaque 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	32 g/10 min
Note: ASTM D1238L		
Mechanical		
Tensile Strength @ Yield	ASTM D 638	280 kg/cm ²
Flexural Modulus	ASTM D 790	16000 kg/cm ²
Tensile Elongation @ Yld	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.

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Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector

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