



Moplen EP640V

Polypropylene, Impact Copolymer

Product Description

Moplen EP640V is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for its optimized balance of stiffness and toughness. Typical applications include injection molding of Multimedia Packaging like DVD cases, automotive bumpers and door trims (low pressure molding). Other potential uses include general housewares, thin wall containers molding and as base resin for producing compounds.

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 Flow , High Stiffness, Low Warpage
Typical Customer Applications	Bumpers, Exterior Applications, Housewares, Interior Applications, Multi Media Packaging, Opaque Containers

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	100	g/10 min
Note: ASTM D1238L			
Mechanical			
Flexural Modulus	ASTM D 790	16000	kg/cm²
Tensile Strength @ Yield	ASTM D 638	270	kg/cm²
Tensile Elongation @ Yield	ASTM D 638	3	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		5	kg-cm/cm
(-20 °C)		2.5	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	100	

Notes

Typical properties; not to be construed as specifications.