



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 Method	Injection Molding
Features	Impact Copolymer, High Flow , Low Warpage, High Stiffness
Typical Customer Applications	Housewares, Interior Applications, Exterior Applications, Multi Media Packaging, Bumpers, 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	100 g/10 min
<i>Note: ASTM D1238L</i>		
Mechanical		
Tensile Strength @ Yield	ASTM D 638	270 kg/cm ²
Flexural Modulus	ASTM D 790	16000 kg/cm ²
Tensile Elongation @ Yld	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.

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- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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