



Moplen E120J

Polypropylene, Impact Copolymer

Product Description

Developmental Grade Moplen E120J is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for its optimized balance of stiffness and toughness with high melt flow. Typical applications include injection molding of thin wall containers, food containers, appliances. It can also be used 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 , Good Impact Resistance , Low Warpage, High Stiffness
Typical Customer Applications	Interior Applications, Exterior Applications, 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	70 g/10 min
<i>Note: ASTM D1238L</i>		
Mechanical		
Tensile Strength @ Yield	ASTM D 638	245 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)		8.0 kg-cm/cm
(-20 °C)		5.0 kg-cm/cm

Notes

Typical properties; not to be construed as specifications.

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Users should review the applicable Material Safety Data Sheet before handling the product.

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