



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 Methods	Injection Molding
Features	Impact Copolymer, High Flow , Good Impact Resistance , High Stiffness, Low Warpage
Typical Customer Applications	Exterior Applications, Interior 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
Note: ASTM D1238L			
Mechanical			
Flexural Modulus	ASTM D 790	16000	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	245	kg/cm ²
Tensile Elongation @ Yield	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.