

Moplen E120J

Polypropylene Copolymer

PolyMirae

Message:

Devlopmental 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, applicances. It can also be used as base resin for producing compounds.

General Information			
Features	Low warpage		
	Rigidity, high		
	Impact copolymer		
	High liquidity		
	Good toughness		
	Compliance of Food Exposure		
Uses	Packaging		
	Thin wall container		
	Electrical appliances		
	Container		
	Food container		
	Outdoor application		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	49	J/m	ASTM D256
23°C	78	J/m	ASTM D256

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