

Prixene® PC120I00C

Polypropylene Copolymer

POLYMAT

Message:

Prixene® PC120I00C is a polypropylene copolymer resin clarified with mid-fluidity for thin wall in which an excellent clarity is required, and good impact resistance. Its clarity allows applying in rigid packaging, transparent and rigid containers of thin wall, household items of high quality, and in general, items with high quality.

The features presented are good clarity, fast molding cycles, good dimensional stability, high rigidity, good impact resistance, medium flow and high brightness.

The product form is in pellets. PP for injection molding. The material complies with FDA regulation Title 21 CFR177.1520 (a) 3 (i), FDA21 CFR 177.1520 (c) 3.1 and FDA21 CFR 177.1520 (c) 3.2.

General Information			
Features	Copolymer		
	Fast Molding Cycle		
	Good Dimensional Stability		
	Good Impact Resistance		
	High Clarity		
	High Rigidity		
	Medium Flow		
Uses	Containers		
	Household Goods		
	Packaging		
	Thin-walled Containers		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
	FDA 21 CFR 177.1520(c) 3.2		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.901	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	84		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	29.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Flexural Modulus ³	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	64	J/m	ASTM D256
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	1.3 mm/min		

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Recommended distributors for this material

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