

Prixene® PC200I00I

Polypropylene Impact Copolymer

POLYMAT

Message:

Prixene® PC200I00I is a polypropylene copolymer resin with high fluidity impact which requires a balance of rigidity and resistance. PP provides better processability, a high flow to facilitate the geometry filling of the mold, fast cycles and good dimensional stability. Typical applications range from automotive interior finishes, toys, lids, household items and parts of electrical appliances.

The features presented are fast cycles, good dimensional stability, high flow, high impact resistance and can be in contact with food.

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 y FDA21CFR 177.1520(c) 3.2.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Impact Resistance		
	High Flow		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Household Goods		
	Lids		
	Toys		
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	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	24.1	MPa	ASTM D638
Tensile Elongation ² (Yield)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	91	J/m	ASTM D256
NOTE			

1.	51 mm/min
2.	51 mm/min
3.	1.3 mm/min

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