

# Prixene® PH200I04

Polypropylene Homopolymer  
POLYMAT

Message:

Prixene® PH200I04 is a polypropylene homopolymer resin with high fluidity index, with a normal distribution of molecular weights and additives. It has excellent processability, good balance in rigidity / impact, and low transfer of odor and flavour. The application that this material has, is for packaging, containers for drinking, flip top caps, containers, toys and items for personal care.

The features presented are good processability and narrow molecular weight distribution.

The product form is in pellets. PP for injection molding. The material complies with FDA regulation title 21.CFR177.1520 (. C) 2.1.

General Information			
Additive	Unspecified Additive		
Features	Good Processability		
	Homopolymer		
	Low to No Odor		
	Low to No Taste		
	Narrow Molecular Weight Distribution		
Uses	Caps		
	Containers		
	Packaging		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	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)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256

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