

Prixene® PH120I04

Polypropylene Homopolymer

POLYMAT

Message:

PriXene® H120I04 is a polypropylene homopolymer resin with intermediate fluidity index, with a normal distribution of molecular weights and additives for general use. Typical applications are injection molding, as small appliances, household items, and toys. It offers excellent processability with good rigidity, environmental cracking resistance, heat, and has low transfer of odor and flavour.

The features presented are good processability, good clarity and good stability to the melt.

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 Heat Seal		
	Good Processability		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
	Homopolymer		
	Low to No Odor		
	Low to No Taste		
Uses	Appliances		
	General Purpose		
	Household Goods		
	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)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256

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Recommended distributors for this material

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