

Jampilen HP371P

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP371P is a polypropylene homopolymer with gamma-ray stabilizing additivation featuring high fluidity and superior transparency. The product is designed for the production of three-part syringes and a wide range of medical articles. Jampilen HP371P is sterilisable both with gamma and E-beam irradiation and with ETO. Because of the high melt flow, mold filling is easy and cycle times are short leading to an excellent processability. Items produced with Jampilen HP371P feature good stiffness, high impact strength, minimum warpage and high chemical resistance and offer a really outstanding transparency.

General Information			
Additive	Gamma Stabilizer		
Features	E-beam Sterilizable		
	Ethylene Oxide Sterilizable		
	Fast Molding Cycle		
	Good Chemical Resistance		
	Good Flow		
	Good Moldability		
	Good Processability		
	Good Stiffness		
	High Impact Resistance		
	Homopolymer		
	Low Warpage		
	Medium Clarity		
Uses	Radiation Sterilizable		
	Containers		
	Household Goods		
	Hypodermic Syringe Parts		
	Labware		
	Medical/Healthcare Applications		
	Packaging		
Appearance	Support Trays		
	Clear/Transparent		
	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)	18	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	99.0	°C	ASTM D648
Vicat Softening Temperature	151	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	62		ASTM D2457
Haze (1000 µm)	15	%	ASTM D1003
NOTE			

1. Loading 1 (10 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

