

HP371P

Homopolymer

Description:

HP371P is a polypropylene homopolymer with gamma-ray stabilizing additivition featuring high fluidity and superior transparency. The product is designed for the production of three-part syringes and a wide range of medical articles. 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 HP371P feature good stiffness, high impact strength, minimum warpage and high chemical resistance and offer a really outstanding transparency.

Typical Applications

- Three-part syringes
- Medical articles and healthcare applications
- Labware such as needle hubs, pipette tips, test tubes, jugs, cylinders and containers
- High quality household articles
- Packaging components

Features: Medium clarity, Excellent processability, Good stiffness, Radiation and ETO sterilizable, High chemical resistance

Suitable for: Injection molding applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	18	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1150	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	50	J/m	ASTM D256
Rockwell Hardness	98	R Scale	ASTM D785
Vicat softening point (10 N)	151	°C	ASTM D1525
H.D.T. (0.46 MPa)	99	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012
Haze (1mm)	15	%	ASTM D1003
Gloss (60°)	62	--	ASTM D2457

* Typical values; not to be considered as product specification.