

# Jampilen HP500P

Polypropylene Homopolymer

Jam Polypropylene Company

## Message:

Jampilen HP500P is a polypropylene homopolymer with good flow properties for injection molding and compounding applications. This grade offers medium-high fluidity, easy mold filling and short cycle times. The final items molded with Jampilen HP500P exhibit good dimensional stability and high stiffness. The product is well suited for the production of thin-walled articles and articles with long flow paths. Jampilen HP500P is also an excellent polymer base for compounding and masterbatches. Jampilen HP500P is suitable for food contact.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Moldability		
	Good Stiffness		
	Homopolymer		
	Medium Flow		
Uses	Appliance Components		
	Caps		
	Closures		
	Compounding		
	Containers		
	Household Goods		
	Masterbatch		
	Thin-walled Parts		
	Toys		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.0	MPa	ASTM D638
Tensile Elongation (Yield)	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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 <sup>1</sup>
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

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