

# Jampilen HP500P

## Homopolymer

### Description:

"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.

### Processing Method:

Injection molding  
Compounding

### Features:

Easy mold filling and short cycle times  
Good dimensional stability  
High stiffness  
Homopolymer

### Typical Applications:

Thin-walled articles  
Containers  
Boxes  
Toys  
Household articles  
Closures and caps  
Polymer base for compounding and masterbatches

### Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	17	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	33	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Rockwell Hardness	103	R Scale	ASTM D785
<b>Thermal</b>			
Vicat softening point (10N)	154	°C	ASTM D1525
H.D.T. (0.46 Mpa)	95	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012