

# Jampilen HP500N

## Homopolymer

### Description:

"Jampilen HP500N" is a medium fluidity polypropylene homopolymer for general purpose injection molding applications. Due to its good flow properties, this grade offers easy mold filling and short cycle times. Articles produced from "Jampilen HP500N" exhibit good dimensional stability and high stiffness.

"Jampilen HP500N" is widely used for injection molding consumer goods such as food containers, cool boxes, vacuum flasks, flower pots, toys, garden furniture and small appliances. In the medical sector, "Jampilen HP500N" is used for 3-part syringes and a wide range of health-care items. Other applications are closures, caps and crates for products. "Jampilen HP500N" is suitable for food contact.

### Processing Method:

Injection molding

### Features:

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

### Typical Applications:

Cool boxes, vacuum flasks, flower pots  
Food containers  
Garden furniture  
Toys  
3-part syringes  
Closures, caps  
Crates

### Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	12	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	34	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Rockwell Hardness	102	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