

PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)
<b>Physical properties</b>			
Melt flow rate (230 °C, 2.16 kg)	ISO 1133	dg / min	12
Density	ISO 1183	g/cm <sup>3</sup>	0.9
<b>Mechanical properties</b>			
Flexural modulus	ISO 178	N/mm <sup>2</sup>	1550
Tensile strength yield	ISO R 527	N/mm <sup>2</sup>	35
Elongation at yield	ISO R 527	%	13
Izod impact strength (notched) at 23 °C	ISO 180	kJ/m <sup>2</sup>	3.5
Hardness Shore D	ISO 868	points	71
<b>Thermal properties</b>			
Vicat softening point (9.8 N)	ISO 306/A	°C	155
H.D.T. (0.46 Mpa)	ISO 75/B	°C	117
Accelerated oven ageing in air (forced circulation) at 150 °C	ISO 4577	hour	360

● F 30 G is suitable for food contact.

a) Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data are accumulated.

b) ISO test methods are the latest under the society's current procedures.

All specimens are prepared by injection moulding.

## **F 30 G**

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F 30 G is a medium-high fluidity polypropylene homopolymer for injection moulding.

Because of its good flow properties, this grade offers easy mould filling and short cycle times.

Articles produced from F30 G exhibit good dimensional stability and high stiffness.

F 30 G is widely used for injection moulding consumer goods such as food containers, cool boxes, vacuum flasks, flower pots, toys, garden furniture and small appliances.

In the medical sector, F 30 G is used for 3-part syringes and a wide range of health-care items.

Other applications are closures, caps and crates for products.

# Jampilen F30G

## Homopolymer

JAMPILEN POLYPROPYLENE

### Description:

"Jampilen F30G" is a medium-high fluidity polypropylene homopolymer for injection moulding. Because of its good flow properties, this grade offers easy mould filling and short cycle times. Articles produced from "Jampilen F30G" exhibit good dimensional stability and high stiffness.

"Jampilen F30G" is widely used for injection moulding consumer goods such as food containers, cool boxes, vacuum flasks, flower pots, toys, garden furniture and small appliances. In the medical sector, "Jampilen F30G" is used for 3-part syringes and a wide range of health-care items. Other applications are closures, caps and crates for products. "Jampilen F30G" is suitable for food contact.

### Processing Method:

Injection moulding

### Features:

Easy mould 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	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	1550	N/mm <sup>2</sup>	ISO 178
Tensile Strength at Yield	35	N/mm <sup>2</sup>	ISO R 527
Tensile Elongation at Yield	13	%	ISO R 527
Izod Impact Strength (notched) at 23 °C	3.5	kJ/m <sup>2</sup>	ISO 180
Hardness Shore D	71	points	ISO 868
<b>Thermal</b>			
Vicat softening point (9.8N)	155	°C	ISO 306/A
H.D.T. (0.46 Mpa)	117	°C	ISO 75/B
Accelerated oven ageing in air at 150 °C	360	hours	ISO 4577