Jampilen HP500P

Homopolymer

JAM Polypropylene

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
Physical			
Melt Flow Rate (230 °C, 2.16kg)	17	g/10min	ASTM D1238
Density	0.9	g/cm^3	ASTM D1505
Mechanical			
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
Thermal			
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

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V 30 G

V 30 G is a polypropylene homopolymer with good flow properties for injection moulding and compounding applications.

V 30 G offers a medium-high fluidity, easy mould filling and short cycle times. The final items moulded with V 30 G 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 such as containers, boxes, caps, closures, household articles and toys.

V 30 G is also an excellent polymer base for compounding and master batches.

PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties			
Melt flow rate (230°C, 2.16 kg)	ISO 1133	Dg / min	16
Density	ISO 1183	g/cm³	0.9
Mechanical properties			
Flexural modulus	ISO 178	N/mm²	1550
Tensile strength yield	ISO R 527	N/mm²	35
Elongation at yield	ISO R 527	%	13
IZOD impact strenghh (notched) at 23°C	ISO 180	kJ/m²	3
Hardness Shore D	ISO 868	Points	72
Thermal properties			
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	hours	360

V 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 accumlsted.

b) ISO test methods are the lates under the societys current procedures.

All specimens are prepared by injection moulding.