

Jampilen HP500L

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP500L is a polypropylene homopolymer for injection molding that provides good flow properties, easy processing and high stiffness. The main applications of Jampilen HP500L are housewares, small containers, crates, garden furniture, stadium seats, toys, caps and closures. Other major applications are components for appliances and parts for the automotive industry. Jampilen HP500L is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	Good Moldability		
	Good Processability		
	Good Stiffness		
	Good Stretchability		
	Homopolymer		
Uses	Appliance Components		
	Automotive Applications		
	Caps		
	Closures		
	Containers		
	Crates		
	Household Goods		
	Lawn and Garden Equipment		
	Seats		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

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