

# Jampilen HP500M

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP500M is a polypropylene homopolymer suitable for injection molding applications that due to its good flow properties offers easy processing. Articles produced from Jampilen HP500M exhibit high stiffness. Jampilen HP500M is widely used for injection molding consumer goods such as food containers, housewares, toys and garden furniture. Other major applications are components for appliances and parts for the automotive industry. Jampilen HP500M is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	Good Processability		
	Good Stiffness		
	Homopolymer		
Uses	Appliance Components		
	Automotive Applications		
	Food Containers		
	Household Goods		
	Lawn and Garden Equipment		
Toys			
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 <sup>1</sup>
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			

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