

# Jampilen HP501M

Polypropylene Homopolymer

Jam Polypropylene Company

## Message:

Jampilen HP501M is a homopolymer polypropylene for injection molding applications that exhibits good stiffness/impact balance at ambient temperature. The main applications of Jampilen HP501M are caps and closures, housewares and furniture.

General Information	
Features	Good Impact Resistance
	Good Stiffness
	Homopolymer
Uses	Caps
	Closures
	Furniture
	Household Goods
Processing Method	Injection Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	74.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	9.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m <sup>2</sup>	ISO 179/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	154	°C	ISO 306/A50

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