

Jampilen HP500H

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP500H is a polypropylene homopolymer for general injection molding applications. Besides the high stiffness and good impact strength, Jampilen HP500H offers good processability. Jampilen HP500H is suitable for a wide range of applications such as appliance components, textile bobbins, wheels, fittings, caps, closures, and household articles. Jampilen HP500H is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Homopolymer		
Uses	Appliance Components		
	Bobbins		
	Caps		
	Closures		
	Fittings		
	Household Goods		
	Wheels		
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)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	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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