

# Jampilen HP400R

Polypropylene Homopolymer

Jam Polypropylene Company

## Message:

Jampilen HP400R is a high flow homopolymer for injection molding and compounding applications that exhibits high stiffness, outstanding processability for shorter cycle times and easy mold filling. The product is suitable for injection molding applications such as thin-walled containers and other general purpose packaging items, toys, vacuum flasks, household and kitchen articles. Jampilen HP400R also is an excellent polymer base for compounding and masterbatches. Jampilen HP400R is suitable for food contact.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Moldability		
	Good Processability		
	Good Stiffness		
	Homopolymer		
Uses	Appliance Components		
	Compounding		
	Furniture		
	Household Goods		
	Kitchenware		
	Masterbatch		
	Thin-walled Containers		
	Toys		
Processing Method	Compounding		
	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)	25	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	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	152	°C	ASTM D1525 <sup>1</sup>
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

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