Jampilen HP648S

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP648S is a high melt flow homopolymer with a narrow molecular weight distribution. Jampilen HP648S is designed for the high speed injection molding of thin-walled items with a good transparency and optimum antistatic properties. Due to its outstanding flow properties, its very high stiffness and excellent dimensional stability, this grade can be molded at very high speeds producing thin-walled parts, even with complicated shapes, without distortion. In many of applications Jampilen HP648S can replace traditional materials such as polystyrene since the product exhibits excellent processability, low residual stress, low shrinkage and warpage on top of the advantages typical of polypropylene such as light weight, low odour transfer, high chemical resistance and a good balance of mechanical properties.

General Information	
Additive	Antistatic
Features	Antistatic
	Fast Molding Cycle
	Good Chemical Resistance
	Good Dimensional Stability
	High Clarity
	High Flow
	High Strength
	Homopolymer
	Low Odor Transfer
	Low Residuals
	Low Shrinkage
	Low Warpage
	Narrow Molecular Weight Distribution
Uses	Business Equipment
	Caps
	Closures
	Consumer Applications
	Cosmetic Packaging
	Food Packaging
	Media Packaging
	Thin-walled Packaging
	White Goods & Small Appliances
	Writing Instruments
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	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)	10	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 [1]
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

Recommended distributors for this material

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WECHAT