

# Jampilen EP448S

Polypropylene Copolymer  
Jam Polypropylene Company

Message:

Jampilen EP448S is a high melt flow rate, heterophasic copolymer for thin-walled injection molding. Items made with this grade exhibit high stiffness, good impact resistance and excellent antistatic properties. The use of Jampilen EP448S allows high productivity because of the easy mould filling and short cycle times. The excellent balance of mechanical properties combined with the outstanding organoleptic properties and antistatic characteristics make this grade particularly suitable for thin-walled packaging. Jampilen EP448S is suitable for food contact.

General Information			
Additive	Antistatic		
Features	Antistatic		
	Copolymer		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Organoleptic Properties		
	High Flow		
	High Stiffness		
Uses	Appliance Components		
	Caps		
	Closures		
	Containers		
	Food Containers		
	Media Packaging		
	Pails		
	Thin-walled Packaging		
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)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			ASTM D256
-20°C	30	J/m	
23°C	65	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	108	°C	ASTM D648
Vicat Softening Temperature	150	°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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#### Recommended distributors for this material

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