

Jampilen EP548R

Polypropylene Copolymer

Jam Polypropylene Company

Message:

Jampilen EP548R is a nucleated, antistatic formulated, high fluidity heterophasic copolymer used for thin-walled injection molding. Items made with Jampilen EP548R exhibit high stiffness, relatively good impact resistance and excellent antistatic properties. Due to its excellent moldability and short cycle times, Jampilen EP548R allows high productivity rates. The finished items show good mechanical properties, and high dimensional stability. Jampilen EP548R is very well suited for the production of thin-walled articles or articles with long flow paths such as flower pots, containers, housewares, filters, filters housings and appliance components. Jampilen EP548R is suitable for food contact.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Copolymer		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Moldability		
	High Stiffness		
	Nucleated		
Uses	Appliance Components		
	Containers		
	Filters		
	Household Goods		
	Housings		
	Lawn and Garden Equipment		
	Sporting Goods		
	Thin-walled Parts		
	Toys		
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)	21	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method


Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	50	J/m	
23°C	85	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	149	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

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