

Jampilen EP548N

Polypropylene Copolymer

Jam Polypropylene Company

Message:

Jampilen EP548N is a heterophasic polypropylene copolymer with improved mechanical properties balance. The product features an outstanding stiffness, high impact strength excellent antistatic properties and is designed for injection molding applications. In comparison with conventional copolymers with the same MFR and the same toughness, Jampilen EP548N exhibits 20 % higher rigidity. Jampilen EP548N is suitable for a wide range of applications in the packaging, automotive and consumer goods industries. Typical applications include housewares, containers, bins, baskets, flowerpots, toys, lids, caps and closures. This grade is also well suited for molded garden furniture, chair shells, crates, trays and automotive parts. Jampilen EP548N is suitable for food contact applications.

General Information			
Additive	Antistatic		
Features	Antistatic		
	Copolymer		
	Food Contact Acceptable		
	High Impact Resistance		
	High Rigidity		
	High Stiffness		
Uses	Automotive Applications		
	Caps		
	Closures		
	Consumer Applications		
	Crates		
	Household Goods		
	Lawn and Garden Equipment		
	Packaging		
	Seats		
	Support Trays		
Toys			
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)	12	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)	8.0	%	ASTM D638

Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	55	J/m	
23°C	100	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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