

Jampilen EP548U

Polypropylene Copolymer
Jam Polypropylene Company

Message:

Jampilen EP548U is a nucleated heterophasic copolymer, suitable for injection molding applications, and contains an anti-static agent. It exhibits outstanding balance of mechanical properties combined with high fluidity. Jampilen EP548U is extensively used in housewares and in thin-walled containers for food packaging (e.g. margarine tubs, yogurt pots, etc.).

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Copolymer		
	High Flow		
	Nucleated		
Uses	Containers		
	Household Goods		
	Sporting Goods		
	Thin-walled Containers		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	68.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1550	MPa	ISO 527-2
Tensile Stress (Yield)	28.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	30	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-20°C	3.0	kJ/m ²	
0°C	3.5	kJ/m ²	
23°C	5.0	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Vicat Softening Temperature	151	°C	ISO 306/A50

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