Jampilen EP348U

Polypropylene Copolymer

Jam Polypropylene Company

Message:

Jampilen EP348U is a nucleated, antistatic formulated, very high melt flow rate heterophasic polypropylene copolymer. The product features excellent impact resistance, even at low temperatures. Jampilen EP348U is specifically designed for high speed thin-walled injection molding.
The very high fluidity, the molecular design and specific formulation of Jampilen EP348U result in very easy processing, short cycle times, low shrinkage and minimal warpage. This allows a great design freedom and imports good dimensional stability of the molded items. Items made with this grade feature excellent mechanical properties over a wide temperature range and very good low temperature performance. The ductile brittle transition temperature is well below -40°C. To obtain the best results in Injection Molding, Jampilen EP348U processing temperature should not exceed 240-250°C.

General Information	
Additive	Antistatic
	Nucleating Agent
Features	Antistatic
	Copolymer
	Fast Molding Cycle
	Good Dimensional Stability
	Good Processability
	High Flow
	High Impact Resistance
	Low Shrinkage
	Low Temperature Impact Resistance
	Low Temperature Resistant
	Low Warpage
	Nucleated
Uses	Caps
	Closures
	Containers
	Household Goods
	Lawn and Garden Equipment
	Lids
	Media Packaging
	Thin-walled Packaging
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)	70	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-20°C	35	J/m	
23°C	70	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Brittleness Temperature	> -40.0	°C	ASTM D746
Vicat Softening Temperature	148	°C	ASTM D1525 [1]
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	**Nominal Value**		**Test Method**
Gloss (60°)	65		ASTM D2457
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	240 to 250	°C	
NOTE			
1.	Loading 1 (10 N)		

Recommended distributors for this material

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