Jampilen EP648V

Polypropylene Copolymer

Jam Polypropylene Company

Message:

Jampilen EP648V is a nucleated, antistatic formulated, ultra high fluidity heterophasic copolymer designed for thin-walled injection molding applications. The product offers good stiffness/impact balance, good dimensional stability and outstanding antistatic properties. Jampilen EP648V offers the typical advantages of PP such as low odour transfer, no monomer migration, excellent stress cracking resistance and high chemical resistance, as well. The ultra high MFR and the specific formulation of Jampilen EP648V result in very easy mold filling, short cycle times, low shrinkage and low warpage. The finished items show excellent dimensional stability, good surface finish and high antistatic properties. Jampilen EP648V is mainly used for packaging, housewares and garden furniture. The most typical applications are items with long flow paths such as laundry bins, drawer trays, toy boxes, small containers, CD and DVD boxes, margarine tubs and packaging for dairy products. Jampilen EP648V is suitable for food contact.

General Information	
Additive	Antistatic
	Nucleating Agent
Features	Antistatic
	Copolymer
	Fast Molding Cycle
	Food Contact Acceptable
	Good Chemical Resistance
	Good Dimensional Stability
	Good Impact Resistance
	Good Moldability
	Good Surface Finish
	High ESCR (Stress Crack Resist.)
	High Flow
	High Stiffness
	Low Odor Transfer
	Low Shrinkage
	Low Warpage
	Nucleated
Uses	Containers
	Food Containers
	Household Goods
	Lawn and Garden Equipment
	Media Packaging
	Packaging
	Support Trays
	Thin-walled Packaging
	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)	100	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 [1]
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	**Nominal Value**		**Test Method**
Gloss (60°)	75		ASTM D2457
NOTE			
1.	Loading 1 (10 N)		

Recommended distributors for this material

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