HETROPHASIC COPOLYMER

EP548T - (Jampilen)

Product Description:
"Jampilen EP548T" is a high melt flow rate, nucleated heterophasic copolymer with a special antistatic additivation used for thin-wall injection molding, IML and houseware applications. The product features improved balance of mechanical properties. The use of "Jampilen EPX-548T" allows high productivity due to the easy mold filling and short cycle times.
In comparison with conventional copolymers with the same MFR and the same toughness,"Jampilen EP548T" exhibits 15% higher rigidity.
"Jampilen EP548T" is suitable for food contact.

Processing Method:
- Injection molding

Features:
- High fluidity
- Easy mold filling and short cycle times
- Desirable impact/ stiffness balance
- Good dimensional stability
- Unspecified antistatic properties
- Heterophasic copolymer

Typical Applications:
- TWIM/IML food containers (Margarine tubs, yoghurt pots, pots for soft cheese, pudding, etc.) Housewares
- Caps and closures
- Flower pots and cool boxes
- Sports, leisure and toys

Approval:
- Food

Typical data - EP548T

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PROPERTY	TEST METHOD	UNIT	VALUE
Physical properties			
Melt Flow Rate (230 oC, 2.16kg)	ASTM D1238	g/10min	50
Density	ASTM D1505	g/cm3	0.9
Mechanical			
Flexural Modulus	ASTM D790	MPa	1450
Tensile Strength at Yield	ASTM D638	MPa	26
Tensile Elongation at Yield	ASTM D638	%	5
Izod Impact Strength (notched) at 23 oC	ASTM D256	J/m	65
Izod Impact Strength (notched) at -20 oC	ASTM D256	J/m	45
Thermal			
Vicat softening point (10N)	ASTM D1525	oC	155
H.D.T. (0.46 MPa)	ASTM D648	oC	105
Accelerated oven ageing in air at 150 oC	ASTM D3012	hours	360