Jampilen EPX-548T

Heterophasic copolymer

JAM Polypropylene

Description:

″Jampilen EPX-548T″ 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 EPX-548T″ exhibits 15% higher rigidity.
″Jampilen EPX-548T″ 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 PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	50	g/10min	ASTM D1238
Density	0.9	g/cm^3	ASTM D1505
Mechanical			
Flexural Modulus	1450	MPa	ASTM D790
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Elongation at Yield	5	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	65	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	40	J/m	ASTM D256
Thermal			
Vicat softening point (10N)	155	°C	ASTM D1525
H.D.T. (0.46 MPa)	105	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012

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