

Jampilen EP548T

Heterophasic Copolymer



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 EP548T" 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 EP548R" 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, 2.16 kg)	50	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1350	MPa	ASTM D790
Tensile Strength at Yield	23	MPa	ASTM D638
Tensile Strength at Break	23	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 (B 120°C/h,10N)	150	°C	ASTM D1525
H.D.T. (0.46 MPa)	110	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	Hours	ASTM D3012

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