



# Jampilen EP548T

Heterophasic copolymer

## Description:

"Jampilen EP548T" is a high melt flow rate, nucleated heterophasic copolymer with a special antistatic addition 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 PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	50	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
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	45	J/m	ASTM D256
<b>Thermal</b>			
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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