



# Jampilen EP648V

Heterophasic copolymer

## Description:

"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.

## Processing Method:

Injection molding

## Features:

Ultra high fluidity  
Good stiffness/impact balance  
Good dimensional stability  
Good antistatic properties  
Heterophasic copolymer

## Typical Applications:

Thin-walled packaging  
Packaging, housewares and garden furniture  
Laundry bins, drawer trays, toy boxes, small containers, CD and DVD boxes, margarine tubs  
Opaque containers for dairy products

## Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	100	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	31	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	35	J/m	ASTM D256
Rockwell Hardness	105	R Scale	ASTM D785
<b>Thermal</b>			
Vicat softening point (10N)	150	°C	ASTM D1525
H.D.T. (0.46 Mpa)	115	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012
<b>Optical</b>			
Gloss (60°)	75	----	ASTM D2457

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