



## Jampilen EP548R

### Description:

"Jampilen EP548R" is a nucleated, antistatic formulated, high fluidity heterophasic copolymer used for thin-walled injection molding. Items made with "Jampilen EP548R" exhibit high stiffness, relatively good impact resistance and excellent antistatic properties. Due to its excellent moldability and short cycle times, "Jampilen EP548R" allows high productivity rates. The finished items show good mechanical properties, and high dimensional stability.

"Jampilen EP548R" is very well suited for the production of thin-walled articles or articles with long flow paths such as flower pots, containers, housewares, filters, filter housings and appliance components.

"Jampilen EP548R" is suitable for food contact.

### Processing Method:

Injection molding

### Features:

Good impact strength  
High stiffness  
Excellent antistatic properties  
Excellent moldability and short cycle times  
Heterophasic copolymer

### Typical Applications:

Thin-walled articles  
Articles with long flow paths such as flower pots, containers, housewares, filters, filter housings and appliance components  
Sports, Leisure and toys

### Approval:

Food

| TYPICAL PROPERTIES                       | VALUE | UNIT              | METHOD     |
|--|-------|-------------------|------------|
| <b>Physical</b>                          |       |                   |            |
| Melt Flow Rate (230 °C, 2.16kg)          | 21    | g/10min           | ASTM D1238 |
| Density                                  | 0.9   | g/cm <sup>3</sup> | ASTM D1505 |
| <b>Mechanical</b>                        |       |                   |            |
| Flexural Modulus                         | 1500  | MPa               | ASTM D790  |
| Tensile Strength at Yield                | 27    | MPa               | ASTM D638  |
| Tensile Elongation at Yield              | 7     | %                 | ASTM D638  |
| Izod Impact Strength (notched) at 23 °C  | 85    | J/m               | ASTM D256  |
| Izod Impact Strength (notched) at -20 °C | 50    | J/m               | ASTM D256  |
| Rockwell Hardness                        | 98    | R Scale           | ASTM D785  |
| <b>Thermal</b>                           |       |                   |            |
| Vicat softening point (10N)              | 149   | °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 |