

## Technical Datasheet EP548R

### 1) Product Description:

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

The finished items show good mechanical properties, and high dimensional stability.

" 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, filters housings and appliance components.

" EP548R" is suitable for food contact.

### 2) Applications:

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

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (230 °C, 2.16kg)	ASTM D 1238	g/10min	21
Density	ASTM D 1505	g/cm <sup>3</sup>	0.9
Flexural Modulus	ASTM D 790	MPa	1500
Tensile Strength at Yield	ASTM D 638	MPa	27
Tensile Elongation at Yield	ASTM D 638	%	7
Izod Impact Strength (notched) at 23 °C	ASTM D 256	J/m	85
Izod Impact Strength (notched) at -20 °C	ASTM D 256	J/m	50
Rockwell Hardness	ASTM D 785	R Scale	98
Vicat softening point (10N)	ASTM D 1525	°C	149
H.D.T. (0.46 Mpa)	ASTM D 648	°C	110
Accelerated oven ageing in air at 150 °C	ASTM D 3012	hours	360

\* Typical values not to be construed as specifications.