

# Technical Data Sheet

**Category: Polypropylene**

**Product name: EP548R**

**Description:** 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.

**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, filters housings and appliance components, Sports, Leisure and toys

**Approval:** Food

## Characteristics:

Property	Value	Unit	(Test Method)
<b>Typical Properties</b>			
Melt Flow Rate(230°C, 2.16kg)	21	g/10min	ASTM D1238
Density	0.9	g/m <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

