

Product: PP Random Copolymer  
Grade: Injection  
Trade Name: PP548R

## Typical Applications

PP548R is a random copolymer for injection molding. PP548R is recommended for Thin-walled articles. Articles with long flow paths such as flower pots, containers, housewares, filters, filters housings and appliance components Sports, Leisure and toys. PP548R is suitable for food contact.





Asia Petrochemicals LLC

## PP Random Copolymer - PP548R

### PRODUCT DESCRIPTION

PP548R is a nucleated, antistatic formulated, high fluidity heterophasic copolymer used for thin-walled injection molding. Items made with PP548R exhibit high stiffness, relatively good impact resistance and excellent antistatic properties. Due to its excellent moldability and short cycle times, PP548R allows high productivity rates. The finished items show good mechanical properties, and high dimensional stability. PP548R 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. PP548R is suitable for food contact.

### Features:

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

**Packing:** 25 Kg plastic bag

### Typical Data

PROPERTY	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

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