



## Technical Data Sheet

Revision Date: 2020-05-15

NO. WHPP\_007

Product Name: EP548R

Version: V 1.2

### Product Description

EP548R is a polypropylene impact copolymer with optimized balance of stiffness and impact properties, good flow properties and good impact resistance.

EP548R complies with the following relevant regulations for direct food contact

- GB 4806.6-2016, GB9685-2016
- FDA 21 CFR177.1520(a)(3)(i) and (c)3.1a

### Typical Applications

- Home appliances
- White household appliances
- Food-contact packaging
- Household items
- Thin-walled container
- Compounding materials

### Typical Properties

Resin performance	Test Conditions	Typical value	Testing method
Density		0.90 g/cm <sup>3</sup>	GB/T 1033.2-2010
Melt Flow Rate	230℃ /2.16kg	30 g/10min	GB/T 3682.1-2018
<b>Mechanical</b>			
Flexural modulus	2mm/min	1250 MPa	GB/T 9341-2008
Tensile stress at yield	50mm/min	24 MPa	GB/T 1040.2-2006
Tensile strain at yield	50mm/min	5 %	GB/T 1040.2-2006
Charpy impact strength			
23℃, notched	Type A, Notch	10 KJ/m <sup>2</sup>	GB/T 1043.1-2008
-20℃, notched	depth 2mm	6 KJ/m <sup>2</sup>	GB/T 1043.1-2008
<b>Thermal</b>			
HDT	0.45MPa	90 ℃	GB/T 1634.2-2004
Vicat Point	A50	148 ℃	GB/T 1633-2000
<b>Hardness</b>			
Rockwell hardness		85 R-sacle	GB/T 3398.2-2008

Note: Typical properties, should not be used for specification work



## Process suggestion

EP548R can be molded using standard injection molding machines.

The following processing parameters are for reference only:

Melt temperature: 200 - 250℃

Mold temperature: 15 - 40℃

Shrinkage rate 1-2%, Depends on thickness and molding parameters.

## Package(s)

FFS bag: 25kg.

## Storage

The product should be stored in a dry environment below 50℃ and avoid ultraviolet radiation. Improper storage can cause degradation, resulting in peculiar smell, and negatively affect the physical properties of the product.

## Expiration Date

Within 12 months after the production date.

For more information about safety and environment, please refer to our SDS or contact our customer service center.

## Version Information

Date of first issue: April 01, 2021

Version No.: V 1.1

Date of second issue: May 15, 2021

Version No.: V 1.2

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