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^3	GB/T 1033.2-2010
Melt Flow Rate	230°C /2.16kg	30 g/10min	GB/T 3682.1-2018
Mechanical			
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°C, notched	Type A，Notch depth 2mm	10 KJ/m^2	GB/T 1043.1-2008
-20°C, notched		6 KJ/m^2	GB/T 1043.1-2008
Thermal			
HDT	0.45MPa	90 °C	GB/T 1634.2-2004
Vicat Point	A50	148 °C	GB/T 1633-2000
Hardness			
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°C

Mold temperature: 15 - 40°C

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°C 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