

Technical Data Sheet

Revision Date: 2022-02-14

NO. WHPP_1009

Product Name: HP648T

Version: V 1.0

Product Description

HP648T is a random copolymer polypropylene, which has the advantages of ultra-high fluidity, high transparency, and excellent balance of rigidity and toughness.

HP648T complies with the following relevant regulations for direct food contact

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

Typical Applications

- Thin-walled container
- Household items
- Food-contact packaging
- 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	70 g/10min	GB/T 3682.1-2018

Mechanical

Flexural modulus	2mm/min	1700 MPa	GB/T 9341-2008
Tensile stress at yield	50mm/min	36 MPa	GB/T 1040.2-2006
Charpy impact strength			
23°C, notched	Type A, Notch depth 2mm	2 KJ/m ²	GB/T 1043.1-2008

Thermal

HDT	0.45MPa	108 °C	GB/T 1634.2-2004
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Note: Typical properties, should not be used for specification work

Process suggestion

HP648T can be molded using standard injection molding machines.

The following processing parameters are for reference only:

Melt temperature: 200 - 330°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: February 02, 2022

Version No.: V 1.0

For further information please contact us:

Address: Wanhua (Yantai) Petrochemical Co., Ltd.

No.59 Chongqing Street, YEDA Yantai, Shandong, 264006, China

Customer service: Tel: +86 400 1600 309 Fax: +86 (535) 8202998

Web-site: <http://www.whchem.com>

The information provided here is for reference only. The specification will be provided in the quality certificate or in the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. The user is welcome to contact our customer and technical service center with questions on our products.