

Technical Data Sheet

Revision Date: 2020-12-15

NO. WHPVC_0004

Grade: WH1000F

Version: 3.1

Features

WH1000F is a general purpose polyvinyl chloride (PVC) homopolymer, manufactured by suspension polymerization process. It is a white powder with porous particle structure and relatively high apparent density. WH1000F can provide good miscibility with plasticizers and liquid stabilizers, excellent plasticizer absorption, high transparency and good process stability.

Typical Applications

WH1000F can be widely used in flexible or rigid products, such as flexible calendered films, flexible hoses, wires & cables, artificial leather, extrusion profiles, injection shoe soles, blowing shrink films, etc.

Typical Properties

Test Item(s)	Specification(s)		
	Premium Grade	First Grade	Qualified
Degree of Polymerization	1030±30		
K Value*	65.6-67		
The number of impurities and foreign particles, pcs ≤	16	30	60
Volatile Matter, % ≤	0.3	0.4	0.5
Bulk Density, g/ml ≥	0.49	0.46	0.43
Residue on 250 μm sieve screenings, % ≤	1	2	3
Residue on 63 μm sieve screenings, % ≥	97	92	90
The number of "fish eyes", pcs/400cm ² ≤	20	30	60
Plasticizer absorption of 100g	24	22	20

PVC resin, g \geq			
Whiteness (160 °C , 10min), % \geq	78	75	70
Water extract Conductivity, $\mu\text{s}/(\text{cm} \cdot \text{g}) \leq$	-	-	-
VCM Residual, $\mu\text{g}/\text{g} \leq$	2		
Flow Time, s \leq	60		

*The K Value is converted from Degree of Polymerization.

Package(s)

FFS bag: 25kg; Jumbo bag: 1000kg, 1200kg.

Storage

Product should be stored in a clean, dry and well-ventilated warehouse with well-conditioned fire-fighting equipments. Keep away from heat and direct sunlight. Avoid storing in any open-air environment.

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

Version information

Date of first issue: November 16, 2020

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For further information please contact us:

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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.