

Technical Data Sheet

Revision Date: 2021-12-15

NO. WHPVC_0002

Grade: WH800

Version: 3.1

Features

WH800 is a polyvinyl chloride (PVC) homopolymer with low degree of polymerization, manufactured by suspension polymerization process. It is a white powder with highly porous particle structure, narrow particle size distribution and relatively high apparent density. WH800 has good melt flow and fusion properties, providing good formability and processability.

Typical Applications

WH800 is mainly suitable for producing rigid calendered sheets, injection products, rigid plates, hollow blowing molded bottles, etc.

Typical Properties

Test Item(s)	Specification(s)		
	Premium Grade	First Grade	Qualified
Degree of Polymerization	780±30		
K Value*	59.2-60.8		
The number of impurities and foreign particles, pcs ≤	20	40	60
Volatile Matter, % ≤	0.3	0.4	0.5
Bulk Density, g/ml ≥	0.52	0.46	0.43
Residue on 250 μm sieve screenings, % ≤	1.6	2	8
Residue on 63 μm sieve screenings, % ≥	97	92	90
The number of "fish eyes", pcs/400cm ² ≤	20	30	60
Plasticizer absorption of 100g PVC resin, g ≥	18	15	12

Whiteness (160 °C , 10min), % ≥	75	70	70
Water extract Conductivity, μs/(cm • g) ≤	-	-	-
VCM Residual, μg/g ≤	3	5	10
Flow Time, s ≤	60	60	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

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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.