

TECHNICAL DATA SHEET

Polyvinyl Chloride Resin

Product Polyvinyl Chloride Resin

Chemical Formula (C₂H₃Cl)_n

Cas No 9002-86-2

Print Date May 10th, 2020

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www.chemdo.com

info@chemdo.com

Features

WH1000F is a polyvinyl chloride (PVC) homopolymer with low degree of polymerization, 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.

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.

Packaging

In 25kg kraft bag or 1000kg/1200kg jumbo bag.

ITEMS	Specification(s)		
	Premium Grade	First Grade	Qualified
Degree of Polymerization	1030 ± 30		
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 250µm sieve screenings,% ≤	1	2	3
Residue on 63µm sieve screenings,% ≥	97	92	90
The number of "fish eyes", pcs/400cm ² ≤	20	30	60
Plasticizer absorption of 100g PVC resin, g ≥	24	22	20
Whiteness (160°C, 10min), % ≥	78	75	70
Water extract Conductivity, µs/(cm·g) ≤	-	-	-
VCM Residual, µg/g ≤	2		
Flow Time, s ≤	60		



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