Technical Data Sheet of PVOH 725 PVC Grade

Chemical Name: Polyvinyl Alcohol 725
CAS NO.: 9002-89-5

Technical Data of PVOH 725 PVC Grade:

Items	Specifications
Main categories	Primary dispersant
Appearance	Slightly Yellow grains solid
Total Solids wt%	≥98.0
Degree of Hydrolysis (mole %)	71.0-75.0
Viscosity@20°C,4% solution (mPa.s)	4.8-7.0
Ash Content (as Na2O) wt%	≤0.5
pH value	4.5-7.0
Residual acetate wt.%	39.5-43.8
Cloud point of 4% soln. in water C	28-32 degree
Volatile	≤5%

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Application

In suspension polymerization of PVC, PVC-grade PVOH acts as a vital suspending agent (protective colloid) to stabilize vinyl chloride monomer droplets in water.

Key application functions include:

1. Particle Control: Dictates the size, uniformity, and spherical shape of PVC resin beads.
2. Porosity Regulation: Controls internal pore structure, directly determining the resin's plasticizer absorption capacity for easier processing.
3. Bulk Density Optimization: Ensures proper powder density and flowability for efficient manufacturing of pipes, films, and profiles.

Package

In 25kg paper bag.

Storage

1.PVOH®725 should be stored away from wet areas and naked flames. Ingress of moisture should be avoided to maintain product quality.
2.As supplied, the product should remain fit for use for 12 months from the date of delivery. Beyond that date, the material may still be fit for use, but we would advise that it is good practice to test the material. As such, we advise that material stored for 12 months or more after delivery should be tested before use.
3.Aqueous solutions of PVOH®725 if stored for long periods at elevated temperatures are prone to mould and bacterial attack.
FOR USED IN VCM SUSPENDING POLYMERISATION
PVOH®725 has an influence on the PVC resin grain size distribution, porosity and bulk density. This is due to the products surface active nature, reducing the interfacial tension and enhancing distribution of initiator throughout the batch.

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