

Alcotex 8048 is an 80% hydrolysed, high molecular weight polyvinyl alcohol which has been specially developed for use as a primary suspending agent for vinyl chloride suspension polymerisation.

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Property	Typical Value	Unit	Method <sup>1</sup>
Appearance	White granular solid		
Viscosity @ 20°C, 4% solution	44-52	mPa.s	ATP62
Degree of Hydrolysis	78.5 - 81.5	mole%	ATP63 & ATP64
Total Solids	>95.0	%	ATP65
Ash Content	0.5 max.	weight %	ATP66

<sup>1</sup> internal method based upon the specified norm

## Application Advice

For detailed information, please contact the Alcotex Technical Service Team at [alcotex@synthomer.com](mailto:alcotex@synthomer.com)

Experience of working closely with PVC manufacturers has contributed to the development of this product.

In listing the advantages of using Alcotex 8048, it must be noted that differences in the PVC grade, polymerisation recipe and plant design influence the extent to which any of these benefits are obtained.

The use of Alcotex suspending agents requires no significant plant modification.

The following are advantages, when compared with other 80% hydrolysed polyvinyl alcohol primary suspending agents:-

### A) PVC Plant Output and Operating Cost

1. The polymer build-up in the reactor is low, reducing down-time for cleaning.
2. The desired grain size can be achieved using low levels of Alcotex 8048.
3. PVC grains of high bulk density are produced.

### B) PVC Polymer Quality

1. Alcotex 8048 is used to make PVC with a wide range of porosities and bulk densities.
2. The PVC grains made with Alcotex 8048 tend to be more spherical such that slightly higher bulk density may be combined with minimum reduction in porosity and with optimum flow characteristics.
3. Plasticiser absorption properties can be adjusted to give fast dry-up times.

## Shipping and Storage

1. Alcotex 8048 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 24 months from the date of manufacture. 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 Alcotex 8048 if stored for long periods at elevated temperatures are prone to mould and bacterial attack.

Alcotex 8048 is supplied in 20kg (nominal) paper sacks. Each sack carries the grade number, batch number and net weight. Deliveries are palletised with each pallet being stretch wrapped and labelled with the relevant shipping marks.

## Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.