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POLYVINYL ALCOHOL

CHARACTERISTICS

Partially hydrolyzed polyvinyl alcohol with low molecular weight.

Easily soluble in cold water, up to 6% concentrations and in mixtures.

For the solubilization the powder is added to cold water (or water-alcohol mixture), slowly, keeping the whole under stirring.

To favour solubility, heat the solution up to 90°C, while maintaining the stirring.

Polyvinyl Alcohol should not under any circumstances be poured directly into boiling water.

The water with high degrees of hardness causes cloudy solutions. Use demineralized water.

For the use as a fixative it is recommended not to exceed a concentration of 3%.

It can be added to lime, cement, gypsum, to impart thixotropic properties, greater mechanical resistance and greater substrate adhesion.

SAFETY

The product is not classified as hazardous. Avoid breathing dust.

PHYSICAL PROPERTIES

Appearance	white-ivory powder
Apparent density g/l	500-600
pH value of a 4% aqueous solution	ca. 6
Humidity	lower than 5%
Brookfield viscosity of a 4% aqueous solution at 20°C in mPa's	8.0 ± 1.0
Degree of hydrolysis expressed in mole percent	87.0-89.0
Granulometry	70.0% ± 5.0 >0.09 mm
Glass transition temperature (Tg)	65°C

Information contained in this data sheet is based on our state of knowledge and on laboratory testing at the above-specified date. The User should determine, by preliminary tests, the suitability of the product for his intended purpose, and should observe the laws and regulations regarding health and safety.

C.T.S. S.r.l. guarantees the constant quality of the product but is not accountable for any damages caused by the incorrect use of a material. The product is intended **for professional use only**. In addition, the components and packaging can change at any time, without any obligation of prior notice.