

# VINNAPAS® EP 701K

## Polymer Dispersions

VINNAPAS® EP 701K is a high-viscosity, low formaldehyde and low free VAM residue vinyl acetate ethylene copolymer dispersion. VINNAPAS® EP 701K exhibits good machinability and strong wet tack. It does provide better adhesion to films such as polyvinyl chloride. It also has very high plasticizer / solvent viscosity thickening responses.

## Properties

- VINNAPAS® EP 701K is chemically stable at both high and low pH.
- It is compatible with an assortment of resins, solvents, plasticizers and other modifiers as well as the other VINNAPAS® EP dispersions.

## Applications

- Paper Packaging & Converting
- Film-to-Wood lamination

## Application details

VINNAPAS® EP 701K is especially suitable for the application in cigarette glue due to its low formaldehyde and low free VAM residue. VINNAPAS® EP 701K offers several advantages in relatively slow-speed PVC laminating applications because of its higher starting viscosity. VINNAPAS® EP 701K bonds such widely diversified substrates as paper, wood, cotton cloth, nylon cloth, hardboard, urethane foam and certain types of coated paperboard. Typical application fields of VINNAPAS® EP 701K are as follows:

- Cigarette glue
- Packaging (window cartons and carton forming)
- Bookbinding
- Textiles and Upholstery
- PVC lamination and OPP lamination

The high plasticizer/solvent viscosity thickening response of VINNAPAS® EP 701K is very useful to develop various high-performance waterborne adhesives with one VAE copolymer dispersion.

## Packaging and storage

### Storage

When the dispersion is stored in tanks, proper storage conditions must be maintained. VINNAPAS® EP 701K has shelf life of 9 months starting from the date of receipt if stored in the original, unopened containers at temperatures between 5 and 30 °C. Please refer to "Best use before date" on the packaging label. Storage beyond the date specified does not mean that the product can't be used anymore, but the user should perform a quality check on the properties necessary for the intended application. Iron or galvanized-iron equipment and containers are not recommended because the dispersion is slightly acidic. Corrosion may result in discoloration of the dispersion or its blends when further processed. Therefore the use of containers and equipment made of ceramics, rubberized or enameled materials, appropriately finished stainless steel, or plastic (e.g. rigid PVC, polyethylene or polyester resins) is recommended. As polymer dispersion may tend to superficial film formation, skins or lumps may form during storage or transportation. Filtration is therefore recommended to utilization prior of the product.

### Preservation for Transport, Storage and further Processing

VINNAPAS® EP 701K is adequately preserved during transportation and storage if kept in the original, unopened containers. However, if it is transferred to storage tanks, the dispersion should be protected against microbial attack by adding a suitable preservative package.

Measures should also be taken to ensure cleanliness of the tanks and pipes. In unstirred tanks, a layer of preservative-containing water should be sprayed onto the surface of the dispersion to prevent the formation of unwanted skin and possible attack by microorganisms. The thickness of this water layer should be < 5 mm for low viscosity dispersions and up to 10-20 mm for high viscosity products. Proper procedures - periodic tank cleaning and sanitization - must be set up in order to prevent microbial attack. Contact your biocide representative/supplier for further plant hygiene recommendations. Measures should be taken to ensure that only clean air enters the tank when the dispersion is removed. Finished products manufactured from polymer dispersions usually also require preservation. The type and scope of preservation will depend on the raw materials used and anticipated sources of contamination. The compatibility with other components and the efficacy of the preservative should always be tested in the respective formulation. Preservative manufacturers will be able to advise you about the type and dosage of preservative required.

### Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. These are available on request from WACKER sales offices or may be downloaded from the WACKER Web site [www.wacker.com/vinnapas](http://www.wacker.com/vinnapas).

### QR Code VINNAPAS® EP 701K



### For technical, quality or product safety questions, please contact:

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