

VINNAPAS® EP 8010

Product description

VINNAPAS® EP 8010 is a plasticizer-free, aqueous polymer dispersion produced from the monomers vinyl acetate and ethylene.

VINNAPAS® EP 8010 is a development product. The specifications in this product data sheet may therefore be subject to change.

You should always consult WACKER POLYMERS about its availability before using it for industrial purposes.

Properties

- High adhesion on difficult to bond surfaces like e.g. Polystyrene and Polyester.
- Excellent balance between the high adhesion and heat resistance of the glue line.

Application

VINNAPAS® EP 8010 is especially suitable as a raw material to manufacture paper packaging adhesives, with high requirements on the adhesion level.

Storage

When the dispersion is stored in tanks, proper storage conditions must be maintained. VINNAPAS® EP 8010 has a shelf life of 6 months starting from the date of receipt if stored in the original, unopened containers at cool (below 30 °C), but frost-free temperatures. 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 resin) is recommended.

Preservation for Transport, Storage and further Processing

VINNAPAS® EP 8010 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. 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. Measures should be taken to ensure that only bacteria-free 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 the 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.

Additional information

If VINNAPAS® EP 8010 is used in applications other than those mentioned, the choice, processing and use of VINNAPAS® EP 8010 is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

For questions concerning food contact status please contact:

Wacker Chemie AG
Hanns-Seidel-Platz 4
D-81737 Munich
Germany

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER sales offices or may be printed via WACKER web site www.wacker.com/vinnapas.

Product data

Specification data	Inspection Method	Value
Solids content	EN ISO 3251	58 - 61 %
Viscosity, dynamic at 23 °C	DIN EN ISO 2555	4000 - 8000 mPa.s
pH-Value	DIN/ISO 976	4 - 5

Typical general characteristics	Inspection Method	Value
Minimum film forming temperature	DIN ISO 2115	0 °C
Frost resistance	specific method	protect from freezing
Protective colloid / emulsifier system		Polyvinyl alcohol and surface active agents

These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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

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