

VINNAPAS® EAF 68

Product description

VINNAPAS® EAF 68 is a plasticizer-free, aqueous polymer dispersion produced from the monomers vinyl acetate, ethylene and acrylate.

Properties

Considering that VINNAPAS® EAF 68 is a pressure sensitive adhesive, it exhibits excellent cohesion even at elevated temperatures.

Special features

Notable features of VINNAPAS® EAF 68 are:

- good shear resistance at high temperatures
- good adhesion to various materials used for floor coverings including e.g. PVC, linoleum, elastic and textile flooring

For the production of VINNAPAS® EAF 68 APEO-free surface active agents are used.

Application

VINNAPAS® EAF 68 is especially suitable as a raw material to manufacture floor covering adhesives, especially for carpets and PVC floor coverings. VINNAPAS® EAF 68 can also be used for the production of pressure sensitive adhesives e. g. self adhesive tapes, films, labels, sound and heat insulation mats. VINNAPAS® EAF 68 may additionally be used as adhesion promoter in adhesive formulations.

Storage

When the dispersion is stored in tanks, proper storage conditions must be maintained. VINNAPAS® EAF 68 has a shelf life of 6 months starting from the date of receipt if stored in the original, unopened containers at temperatures between 5 and 30 °C. 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. As polymer dispersions may tend to superficial film formation, skins or lumps may form during storage or transportation. Filtration is therefore recommended prior to utilization of the product.

Preservation for Transport, Storage and further Processing

VINNAPAS® EAF 68 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 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® EAF 68 is used in applications other than those mentioned, the choice, processing and use of VINNAPAS® EAF 68 is the sole responsibility of the

purchaser. All legal and other regulations must be complied with.

Germany

For questions concerning food contact status according to chapter 21 CFR (US FDA) and German BfR, please contact:

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.

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Product data

Specification data	Inspection Method	Value
Solids content	DIN EN ISO 3251	58 - 61 %
Viscosity, dynamic at 23 °C Measurement condition for the method	DIN EN ISO 2555 Brookfield, spindle 5 / 20 rpm	4500 - 9500 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		surface active agents
Filler and pigment compatibility	specific method	very good
Appearance of the dispersion film	Visual	clear, glossy
Surface of the dispersion film		very tacky
Glass transition temperature DSC	specific method	approx. -35 °C

Figures below "Typical general characteristics" are intended as a guide and should not be used in preparing specifications.

The data presented in this medium 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 medium 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 information provided by us does 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 product 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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