

VINNAPAS® B 100 SPECIAL

VINYL ACETATE HOMOPOLYMER, CAS NO. 9003-20-7

Product description

VINNAPAS® B 100 SPECIAL is a food grade vinyl acetate homopolymer in solid form. The thermoplastic polymer is transparent, colorless, tasteless and odorless.

Application

Typical applications for VINNAPAS® B 100 SPECIAL:

- gum base
- adhesives
- additive in lacquers
- fiber reinforced plastics

Processing

Product data

Melt viscosity, 100% Polymer

Bohlin, parallel plates, oscillation mode

| | |
|--------|--------------|
| 140 °C | ~ 11000 Pa·s |
| 160 °C | ~ 5000 Pa·s |
| 180 °C | ~ 1500 Pa·s |
| 200 °C | ~ 400 Pa·s |

Storage

To prevent caking VINNAPAS® B 100 SPECIAL should not be stored at temperatures above 20°C. Storage conditions must be dry; material must be protected from direct sun exposure.

Under these conditions the product has a shelf life of at least 24 months.

Packaging

VINNAPAS® B 100 SPECIAL is supplied in 25 kg Paper Bags. Big Bag is available on request.

Additional information

Health regulations

VINNAPAS® B 100 SPECIAL is in compliance with:

- FDA 21 CFR 172.615
- Food Chemicals Codex (FCC)
- Chinese regulation on gum base
- German regulation on Food Additives (ZZuIV)
- French regulation on gum base
- Italian regulation on gum base
- Spanish regulation on gum base
- Japanese regulation on Food Additives

Further information is available upon request.

VINNAPAS® B 100 SPECIAL is Kosher certified.

GMO status: VINNAPAS® B 100 SPECIAL is a synthetic polymer. All raw materials derived from a chemical reaction. Therefore VINNAPAS® B 100 SPECIAL needs not to be labeled according Regulation 1829/2003/EC and 1830/2003/EC.

Allergen status: VINNAPAS® B 100 SPECIAL does not contain allergens listed in Directive 2003/89/EC or Directive 2006/142/EC.

If VINNAPAS® B 100 SPECIAL is used in applications other than those mentioned, the choice, processing and use of VINNAPAS® B 100 SPECIAL is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

Product data

| Specification data | Inspection Method | Value |
|-------------------------------------|-------------------|-------------------|
| Viscosity (10% in ethylacetate) | ASTM D 445 - 06 | 5,0 - 6,5 mPa*s |
| Acid number / saponification number | specific method | < 0,5 mg KOH/g |
| Free acetic acid | specific method | max. 0,05 % |
| Acid number | specific method | max. 0,5 mg KOH/g |
| Residual monomer (vinyl acetate) | FCC | max. 5 ppm |

Values are documented in the certificate of analysis.

| Typical general characteristics | Inspection Method | Value |
|-------------------------------------|-------------------------------|--|
| Loss on drying | FCC | max. 1,0 % |
| Bulk density | DIN 53466 | 730 kg/m ³ |
| Supply form | Visual | solid, colorless pellets, odorless and tasteless |
| Density of the polymer | DIN EN ISO 1183 /1-3 | approx. 1,18 g/cm ³ |
| Mettler softening point | ASTM D 3104 | 133 °C |
| Molecular weight (M_{V}) | SEC, PS-Standard | 90000 |
| Glass transition temperature | DSC (DIN 53765 / ISO 11357-5) | 42 °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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