

# PRODUCT INFORMATION

## ®Vinnolit S 4170 AOF | Vinnolit S 4170 AOF GreenVin®

Suspension PVC for  
thermoplastic processing

### Brief Description

®Vinnolit S 4170 AOF is an antioxidant-free suspension polymer with high porosity, optimized for thermoplastic PVC processing.

It is recommended for extrusion, calendaring and injection moulding of flexible PVC (PVC-P) for medical applications.

| RAW MATERIAL PROPERTIES                          | TYPICAL VALUE <sup>*)</sup> | UNIT | TEST METHOD |        |
|--|-----------------------------|------|-------------|--------|
|  |                             |      | DIN EN ISO  | ISO    |
| K-value  | 70                          | -    | 1628-2      | 1628-2 |
| Reduced viscosity                                | 124                         | ml/g | 1628-2      | 1628-2 |
| Apparent bulk density                            | 0.500                       | g/ml | 60          | 60     |
| Particle size distribution:<br>sieve retention R |                             |      |             |        |
| • retained on 0.063 mm screen                    | ≥ 97                        | %    | -           | -      |
| • retained on 0.250 mm screen                    | ≤ 1                         | %    | -           | -      |
| Plasticizer absorption at room temperature       | 34                          | %    | 4608        | 4608   |
| Volatile matter                                  | ≤ 0.3                       | %    | -           | -      |

<sup>\*)</sup> The values given above are **typical** test results which should be used as a guide only. They do not form the whole or part of a specification or guarantee.

## Processing and Application

®Vinnolit S 4170 AOF is a highly porous, free-flowing powder that is usually mixed with PVC-additives and plasticiser by standard mixing techniques.

Due to the high porosity and the resulting excellent plasticizer absorption, ®Vinnolit S 4170 AOF is ideal suited for processing soft, free-flowing mixtures.

Dry blends based on ®Vinnolit S 4170 AOF are used for all kinds of thermoplastic processing like extrusion, calendering and injection moulding.

The good initial colour, high purity and transparency makes ®Vinnolit S 4170 AOF, which is polymerised without antioxidant, perfectly suited for low fish-eye count flexible PVC articles.

Outstanding **properties** of

®Vinnolit S 4170 AOF are:

- Antioxidant-free
- Extremely low fish-eye count
- High transparency
- Very good plasticizer absorption

## Packaging, Delivery and Storage

The product is supplied in 25 kg bags as well as in bulk form.

®Vinnolit S 4170 AOF should be stored dry and away from direct or indirect sources of heat. Please consult the safety data sheet for information about the safety precautions necessary for transport, storage, blending and processing.

## General Information

Further processing information and recommendations can be obtained from our Technical Service department.

Vinnolit S 4170 AOF GreenVin® is produced with 100% renewable electricity (GOs).

See GreenVin® info sheet.

*The data and recommendations contained in this product information represent the current state of our knowledge and serve as a guide only to our products and their potential applications. Therefore, no warranty of specific properties of the products mentioned here in nor of their suitability or fitness for a particular purpose is implied.*

*The information given 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 used.*

*Patent or other proprietary rights of third parties must be observed. The quality of our products is warranted under the terms of our General Conditions of Sale.*

Ismaning, May 2022

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