# PRODUCT INFORMATION

## ®Vinnolit S 4170 AOF

### Vinnolit S 4170 AOF GreenVin®
### Vinnolit S 4170 AOF GreenVin® bio-attributed

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, calendering and injection moulding of flexible PVC (PVC-P) for medical applications.

| RAW MATERIAL PROPERTIES | TYPICAL VALUE* | UNIT | TEST METHOD | |
|---|---|---|---|---|
| | | | DIN EN ISO | ISO |
| K-value | 70 | - | 1628-2 | 1628-2 |
| Apparent bulk density | 0.500 | g/ml | 60 | 60 |
| Particle size distribution: sieve retention | | | | |
| • 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 | % | - | - |

* 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.

**®Vinnolit = registered trademark of Westlake Vinnolit GmbH & Co. KG, Germany**

## 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). Additionally, renewable Ethylene is used for Vinnolit S 4170 AOF GreenVin® bio-attributed. See GreenVin® info sheet.

*The information and specifications contained in this product information are, to the best of our knowledge, correct at the time of publication. They are intended solely to provide general information about our products and their possible applications and do not constitute an agreement on quality or a guarantee of specific properties or suitability for a particular purpose. Due to the numerous factors beyond our control relating to storage, processing, and combination with third-party raw materials, the customer is obliged to determine the suitability of the product for the intended use by conducting their own tests and trials. The customer is also obliged to check and observe any third-party industrial property rights before use. Our General Terms and Conditions of Sale apply in addition.*

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