

# PRODUCT INFORMATION

## ®Vinnolit S 80

### Vinnolit S 80 GreenVin® | Vinnolit S 80 GreenVin® bio-attributed

Suspension PVC for thermoplastic processing of PVC

### Brief Description

®Vinnolit S 80 is a specialty product for flexible PVC articles (PVC-P) with excellent mechanical performance, primarily at elevated service temperatures.

RAW MATERIAL PROPERTIES	TYPICAL VALUE <sup>*)</sup>	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	80	-	1628-2	1628-2
Reduced viscosity	168	ml/g	1628-2	1628-2
Apparent bulk density	0.420	g/ml	60	60
Particle size distribution: Sieve retention R				
• retained on 0.063 mm screen	≥ 90	%	4610	4610
• retained on 0.250 mm screen	≤ 1	%	4610	4610
Plasticizer absorption [DINP] at room temperature	45	%	4608	4608
Volatile matter	≤ 0.3	%	1269	1269

<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 80 is a free-flowing powder with a highly porous grain structure. It can be processed with all common additives such as plasticizers, stabilizers, lubricants, fillers and pigments.

®Vinnolit S 80 is mixed by standard hot or cold mixing methods. The recommended temperatures are 120 °C in the heating mixer and 40 °C in the cooling mixer.

It can be processed in the form of a blend or granules on all common systems - extruders, injection moulding machines and calender.

The highly porous grain structure and the associated improved plasticizer absorption of ®Vinnolit S 80 achieves the following **properties:**

- Optimization and accelerating mixing process
- larger quantities of plasticizer
- Usage of alternative, sustainable or special high-performance plasticizers
- Further: improved fish-eye count

Areas of application for ®Vinnolit S 80 with increased performance are e.g.

- in the **automotive industry:**  
high quality interior and exterior profiles, pedal liners, hoses, tubes and tarpaulins
- in the **construction industry:**  
high quality PVC seals and gaskets
- in the **cable sector:**  
PVC cable with high thermal stability under load and reduced abrasion

## Packaging, Delivery and Storage

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

®Vinnolit S 80 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 80 GreenVin® is produced with 100% renewable electricity (GOs). Additionally, renewable Ethylene is used for Vinnolit S 80 GreenVin® bio-attributed. 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.*

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