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*	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	80	-	1628-2	1628-2
Apparent bulk density	0.430	g/ml	60	60
Particle size distribution: sieve retention				
• retained on 0.063 mm screen	≥ 90	%	4610	4610
• retained on 0.250 mm screen	≤ 1	%	4610	4610
Plasticizer absorption [DINP] at room temperature	47	%	4608	4608
Volatile matter	≤ 0.3	%	1269	1269

* 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 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 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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Westlake Vinnolit GmbH & Co. KG
Carl-Zeiss-Ring 25
85737 Ismaning
Germany

Tel.: +49 (0)89 9 61 03-0
Fax: +49 (0)89 9 61 03-103
www.westlakevinnolit.com