

**®Vinnolit S 100**

High K-value suspension-PVC for thermoplastic processing of PVC

**Brief Description**

®Vinnolit S 100 is a specialty product for the production of flexible PVC-articles with improved plasticizer acceptance and excellent mechanical performance, particularly for rubberlike gaskets with matte surface.

Raw Material Properties	Typical Value*	Unit	Test Method	
			DIN EN ISO	ISO
K-Value	99	-	1628-2	1628-2
Reduced viscosity	293	ml/g	1628-2	1628-2
Apparent bulk density	0.440	g/ml	60	60
Particle size distribution: Sieve retention R				
retained on 0.063 mm screen	≥ 85	%	4610	4610
retained on 0.250 mm screen	≤ 2	%	4610	4610
Plasticizer absorption at room temperature	45	%	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.

## Product Information

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### Processing and Applications

Vinnolit S 100 is a free-flowing powder with very high porous particles. It may be processed with all standard additives such as plasticizers, stabilizers, lubricants, fillers and pigments similarly to an S-PVC with a lower K-value.

Vinnolit S 100 is mixed by the standard hot or cold mixing methods. Recommended temperatures are 120 °C in the heating mixer and 40 °C in the cooling mixer.

Due to the very high porosity even plasticizers with longer side chains can be accepted by the particles easily which leads to significantly improved mixing cycles.

Vinnolit S 100 may be processed in the form of a blend or granules on all standard equipment, such as extruders, injection moulding machines and calendars.

Small amounts of Vinnolit VK 710 may be added to the blend to facilitate fusion.

Mixtures containing Vinnolit S 100 are mainly used as follows:

- in the automotive industry to produce high-quality interior and exterior profiles, tubes and tarpaulins with matt and dry surface
- construction industry  
PVC-seals and gaskets with excellent mechanical properties, highly recommendend also for PCE
- for PVC-cables with very high thermal stability under load

### Packaging, Delivery and Storage

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

Vinnolit S 100 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 or our local representatives.

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*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 herein 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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