PRODUCT INFORMATION

®Vinnolit S 100

Vinnolit S 100 GreenVin® | Vinnolit S 100 GreenVin® bio-attributed

High K-value suspension PVC
for thermoplastic processing

Brief Description

®Vinnolit S 100 is an ultra-high molecular weight specialty product for the production of flexible PVC-articles with improved plasticizer acceptance and excellent mechanical performance at elevated temperatures, particularly for rubberlike gaskets with matte surface.

ROHSTOFFKENNDATEN	TYPISCHER WERT*)	EINHEIT	PRÜFMETHODE	
			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 • retained on 0.250 mm screen	 ≥ 85 ≤ 2	 % %	 4610 4610	 4610 4610
Plasticizer absorption at room temperature	45	%	4608	4608
Volatile matter	≤ 0.3	%	1269	1269

*) Die oben genannten Werte sind **typische** Messwerte und als Richtwerte zu betrachten. Sie sind keine Spezifikations- oder Garantiewerte.

Processing and Application

®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 a 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.

Outstanding **properties** of ®Vinnolit S 100:

- Unique high and fast plasticizer absorption
- Ideally suited for „new" grades of plasticizers with longer side chains
- Very good mechanical properties – especially at high temperatures
- Matting effect

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
- In the **construction industry** PVC-seals and gaskets with excellent mechanical properties, highly recommended 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 department.

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

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