

Product Information



Vinnolit S 4099

Suspension PVC with a high K-value for thermoplastic processing

Brief Description

®Vinnolit S 4099 is a specialty product for flexible PVC articles with excellent mechanical performance, primarily at elevated service temperatures.

Raw Material Properties	Typical Value *	Unit	Test method	
			DIN EN ISO	ISO
K-value	ca. 99	-	1628-2	1628-2
Reduced viscosity	ca. 300	ml/g	1628-2	1628-2
Apparent bulk density	ca. 0,450	g/ml	60	60
Particle size distribution: Sieve retention R retained on 0,063 mm screen retained on 0,250 mm screen	> 90 < 2	% %	4610	4610
Plasticizer absorption at room temperature	ca. 34	%	4608	4608
Volatile matter	< 0,3	%	-	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.

Processing and Applications

Vinnolit S 4099 is a free-flowing powder with 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 4099 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.

It may be processed in the form of a blend, agglomerates or granules on all standard equipment, such as extruders, injection moulding machines and calenders.

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

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

Product Information

Mixtures containing Vinnolit S 4099 are mainly used as follows:

- In the automotive industry to produce high-quality interior and exterior profiles, pedal liners, tubes and tarpaulins
- In the construction industry for PVC-seals with excellent mechanical properties
- 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 4099 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.

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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Vinnolit GmbH & Co. KG
Carl-Zeiss-Ring 25
D-85737 Ismaning
Tel.: +49 89 96103-0
Fax: +49 89 96103-103
www.vinnolit.com