

# PRODUCT INFORMATION

## ®Vinnolit VK 710

Vinnolit VK 710 GreenVin®

Vinnolit VK 710 GreenVin® bio-attributed

Thermoplastic Elastomer based on polyvinyl chloride (PVC) and polyacrylate (ACR)

### Brief Description

®Vinnolit VK 710 is a free-flowing powder produced by graft polymerization of vinyl chloride onto polyacrylate (ACR).

®Vinnolit VK 710 is a thermoplastic elastomer (TPE). It combines the positive properties of PVC with those of rubber.

RAW MATERIAL PROPERTIES	TYPICAL VALUE*	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	**	-	1628-2	1628-2
ACR content	50	%	-	-
Apparent bulk density	0.650	g/ml	60	60
Particle size distribution: sieve retention				
• retained on 0.063 mm screen	≥ 70	%	-	-
• retained on 0.500 mm screen	≤ 10	%	-	-
Volatile matter	≤ 0.5	%	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.

\*\* K-Value cannot be determined exactly.

## Processing and Application

®Vinnolit VK 710 is supplied as a free-flowing white powder. It offers customers great scope for property variations. For example, nearly all standard levels of hardness (Shore A 50 - 90) may be achieved by adding relatively small amounts of monomeric (e.g. phthalic acid esters) or polymeric plasticizers.

®Vinnolit VK 710 has been specially developed for extrusion into flexible, elastic profiles for various applications.

The **main uses** are sealant profiles for the construction industry, such as window and door seals (may also be coextruded with uPVC profiles), as well as flexible elastic profiles for the automotive industry.

®Vinnolit VK 710 is also suitable for the production of calendered or extruded flexible, elastic film and, with certain restrictions, for injection moulding of elastic parts.

Outstanding **properties** of ®Vinnolit VK 710 are:

- Reduction of plasticizer migration
- Less amount of plasticizer
- Blending with other soft polymers
- Acrylate bound in PVC-matrix
- Excellent weathering resistance

## Packaging, Delivery and Storage

The product is supplied in 25 kg bags.

®Vinnolit VK 710 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 VK 710 GreenVin® is produced with 100% renewable electricity (GOs). Additionally, renewable Ethylene is used for Vinnolit VK 710 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