

# PRODUCT INFORMATION

## ®Vinnolit K 704 | Vinnolit K 704 GreenVin®

Graft copolymer based on polyvinylchloride (PVC) and polyacrylate (ACR) for thermoplastic processing

### Brief Description

®Vinnolit K 704 is a free-flowing powder produced by graft copolymerization of vinylchloride and polyacrylate (ACR).

The product contains roughly 50 % ACR. It primarily serves as a modifying agent for increasing the impact strength of extruded profiles, pipes and sheets.

RAW MATERIAL PROPERTIES	TYPICAL VALUE <sup>*)</sup>	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	**)	-	1628-2	1628-2
ACR content	50	%	-	-
Apparent bulk density	0.640	g/ml	60	60
Particle size distribution: Sieve retention R				
• retained on 0.063 mm screen	≥ 70	%	4610	4610
• retained on 1.000 mm screen	≤ 1	%	4610	4610
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.

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

## Processing and Application

®Vinnolit K 704 is mainly used for modifying the impact strength of rigid profiles, sheets and pipes. The combination of high impact strength, high surface quality and weatherability that is required, e.g. for window profiles can be readily achieved with ®Vinnolit K 704.

®Vinnolit K 704 is also recommended to improve the impact strength of rigid injection moulded articles and of extruded and calendered films.

On account of its high ACR content, ®Vinnolit K 704 may also serve as the main component for making semi-rigid moulded parts without addition of monomeric plasticizers.

Outstanding **properties** of ®Vinnolit K 704 are:

- High impact strength
- Improving surface quality
- Ideal distribution of soft phase
- Acrylate bound in PVC-matrix
- Excellent weathering resistance

## Packaging, Delivery and Storage

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

®Vinnolit K 704 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 K 704 GreenVin® is produced with 100% renewable electricity (GOs).  
See GreenVin® info sheet.

*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 here in 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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