PRODUCT INFORMATION

®Vinnolit K 704

Vinnolit K 704 GreenVin® | Vinnolit K 704 GreenVin® bio-attributed

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*)	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 • retained on 1.000 mm screen	 ≥ 70 ≤ 1	 % %	 4610 4610	 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 weather-ability 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). Additionally, renewable Ethylene is used for Vinnolit K 704 GreenVin® bio-attributed. See GreenVin® info sheet.

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