

PRODUCT INFORMATION

®Vinnolit VK 710 | Vinnolit VK 710 GreenVin®

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 | 0.660 | g/ml | 60 | 60 |
| Particle size distribution: Sieve retention R | | | | |
| • retained on 0.063 mm screen | ≥ 70 | % | - | - |
| • retained on 0.500 mm screen | ≤ 5 | % | - | - |
| 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

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.

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).
See GreenVin® info sheet.

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