®Vinnolit K 221

High molecular weight PVC speciality product for thermoplastic processing

Brief Description

®Vinnolit K 221 is a fine-particle, high molecular weight specialty product used as additive in PVC compounds to texture surfaces.

Raw Material Properties	Typical Value*	Unit	Test Method	
			DIN EN ISO	ISO
K-value	**	-	1628-2	1628-2
Reduced viscosity	**	ml/g	1628-2	1628-2
Apparent bulk density	0.520	g/ml	60	60
Particle size distribution: Sieve retention R retained on 0.090 mm sreen	≤ 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.
** Value cannot be determined exactly.

Processing and Applications

Vinnolit K 221 is a fine-particle, free-flowing powder that is added to conventional PVC formulations for rigid, semi-rigid or flexible articles. The required amount of Vinnolit K 221 is generally 3 to 10 phr.

During to the high molecular weight, the original particle shape is nearly unaffected by processing. This results in moulded parts with surface textures similar to those obtained by embossing with sandblasted rollers.

In contrast to mechanical embossing, however, the surface of a moulded part textured with Vinnolit K 221 is also retained during subsequent heating and deforming, such as thermoforming. For injection moulding applications, Vinnolit K 221 functions both as a matting agent as well as a mould release.

The main application areas are films, profiles and injection moulded parts.

Packaging, Delivery and Storage

The product is supplied in 25 kg bags.

Vinnolit K 221 V 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.

Ismaning, November 2014

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