

Rheovis[®] VP 1231

Product description	Rheology modifier
Key benefits	<ul style="list-style-type: none">■ Thickener for polymer dispersions and other aqueous systems■ Can also be used as a protective colloid if resin solutions are mixed with polymer dispersions
Chemical nature	Aqueous solution of a hydrophobic modified vinylpyrrolidone-vinylacetate copolymer

Properties

Physical form	Yellow liquid		
Technical data (not supply specification)	Solid content	ISO 3251	~ 30 %
	pH-value	DIN ISO 976	~ 4.5
	Viscosity	ISO 3219, @ 23 °C	~ 2,200 mPa.s
	Residual N-vinylpyrrolidone		≤ 100 ppm

Application

Unlike traditional acrylic thickeners, which are most effective in the alkaline pH range, Rheovis® VP 1231 has a maximum thickening effect at a pH of ~ 5.

It can also be used as a protective colloid in the production of resin dispersions and if resin solutions are mixed with polymer dispersions.

Formulation guideline

We recommend determining the optimum dosage of Rheovis® VP 1231 by laboratory trials to achieve optimum performance, as a variety of factors, like the compatibility with other formulations ingredients, the stability storage of the formulation or the thickening response can be expressed differently.

The thickener can be added to the polymer dispersions or vice versa. If Rheovis® VP 1231 is added to the polymer dispersion, it must be ensured that the mixture is stirred as long as necessary to achieve a completely homogenous system. If the polymer dispersion is added to Rheovis® VP 1231, the dispersion needs to be added in small portions while stirring until the system has a smooth consistency.

Storage

Rheovis® VP 1231 should be stored in a cool, dry place. It does tend to form settlement or layers during storage. A potential inhomogeneous product can easily be reconstituted by thorough stirring.

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Validity

This Technical Data Sheet is valid for all versions of the Rheovis® VP 1231.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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