

Rheovis[®] AS 1420

(old: Collacral[®] VAL)



The Chemical Company

general

Rheovis[®] AS 1420 is a thickener for polymer dispersions and other aqueous systems. It 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

liquid

shelf life

Subject to appropriate storage under the usual storage and temperature conditions, our product is durable for at least 1 year.

typical properties (no supply specification)

solids content	~ 30%
pH-value	3.5 – 6.0
viscosity (23°C, shear rate 25s ⁻¹)	~ 2200 mPa·s
residual N-vinylpyrrolidone	<= 100 ppm

Application

Unlike traditional acrylic thickeners, which are most effective in the alkaline pH range, Rheovis[®] AS 1420 has a maximum thickening effect in polymer dispersions at a pH of about 5.

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

recommended concentrations

Customers should carry out their own trials when developing and processing products with Rheovis® AS 1420. The compatibility of Rheovis® AS 1420 with other ingredients of formulations, its stability in storage and its effects on the rheology of the formulations, etc. are affected by a variety of factors which are too numerous for us to take into account in our own trials.

The thickener can be added to the polymer dispersions or vice versa. If Rheovis® AS 1420 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® AS 1420, the dispersion needs to be added in small portions while stirring until the system has a smooth consistency.

storage

Rheovis® AS 1420 does have a tendency to settle out and to form layers during storage, but a homogenous product can be easily reconstituted by thorough stirring.

Safety

When handling these products, 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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