

Acronal[®] V 215

Adhesive Raw Material

Product description

Acronal V 215 is used in the manufacture of adhesives for self-adhesive articles.

The products feature good adhesive properties, even at low temperatures, as they are relatively insensitive to water and adhere very well, without an adhesion promoter, to plasticized and unplasticized PVC films, polyester films, and electrically pre-treated polyethylene and polypropylene films.

Chemical nature

Aqueous dispersion of an acrylate copolymer containing carboxyl groups.

Properties

Physical form

Liquid dispersion

Technical data

(no supply specification)

Solids content	DIN EN ISO 3251	~ 69 %
pH Value	DIN ISO 976	~ 5
Viscosity	DIN EN ISO 3219	≥ 250 mPa·s
Glass transition temperature of film		~ - 43 °C

Application

If Acronal V 215 is to be mixed with another dispersion, the pH should be adjusted to the slightly alkaline range. Note that the viscosity increases when the pH is raised.

The mechanical stability of the formulation can be improved by adding a small quantity of Rheovis® VP1231.

In the event of poor wetting, it is often helpful to add about 0.5 % of a wetting agent (e. g. Lumiten I-SC).

Commercially available antifoaming agents (e. g. Foamaster WO 2323) are suitable for suppressing foam. Usually the addition of 0.05 – 0.2 % of the antifoaming agent in the formulation is sufficient.

We recommend adding a preservative to adhesives based on Acronal V 215 to protect them from microbial attack. The suitability of such additives must be verified and monitored in trials.

Adhesives based on Acronal V 215 can be applied using commonly available application devices such as flat blade, Meyer-bar, air brush, reverse roll, reverse gravure, curtain-coater and nozzle.

Manufacturers must carefully carry out their own experimentation when developing pressure-sensitive adhesives based on Acronal V 215, as there is a host of factors in production and processing that we cannot cover exhaustively in our trials which can influence compatibility with other components of the adhesives, their wetting of and adhesion to different substrates etc.

Where adhesives are formulated for removable labels, it is important to pay attention to their problem-free removal from all relevant substrates after an extended period.

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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