

Acronal[®] A 145

Adhesive Raw Material

Chemical nature Aqueous dispersion of an acrylate copolymer containing carboxyl groups.

Properties

Physical form Liquid, dispersion

Technical data

(no supply specification)

Solid content	DIN EN ISO 3251	~ 51 %
pH value	DIN ISO 976	7.0 – 9.0
Viscosity	DIN 53211	18 – 20 s
Glass transition temperature		– 45 °C

Application

Acronal A 145 is used in the manufacture of self-adhesive labels, films and tapes.

As it is hardly affected by plasticizers, it is particularly recommended for coating plasticized PVC film.

How- ever, since the effect of plasticizers on pressure-sensitive adhesives depends on the type and quantity of the plasticizers in the film, thorough trials, particularly storage trials, must be carried out before starting production of such articles.

Processing

Acronal A 145 is adjusted for vario gravure application devices.

If Acronal A 145 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.

In the event of poor wetting, it is often helpful to add about 0.5 – 1 % of a wetting agent (e. g. Lumiten® I-SC).

Commercially available antifoaming agents (Foamaster WO 2323) are suitable for suppressing foam. Usually the addition of 0.02 – 0.8 % of the antifoaming agent in the formulation is sufficient.

We recommend adding a preservative to adhesives based on Acronal A 145 to protect them from microbial attack. The suitability of such additives must be verified and monitored in trials.

When developing adhesives based on Acronal A 145 careful in-house trials have to be carried out.

The compatibility of Acronal A 145 with other ingredients of formulation and its ability to wet and adhere to different substrates etc. are affected by a variety of factors which are too numerous for us to take into account in our own trials.

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.

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Dispersions & Resins Europe
67056 Ludwigshafen, Germany
www.basf.com/dispersions