

# Acronal<sup>®</sup> A 240

## 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	5.0 – 6.5
Viscosity	DIN EN ISO 3219	40 – 80 mPa·s
Viscosity	DIN 53211	15 – 19 s
Glass transition temperature		– 30 °C

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## Application

Acronal A 240 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.

However, 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 240 is adjusted for vario gravure application devices.

If Acronal A 240 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.

Commercially available antifoaming agents (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 A 240 to protect them from microbial attack.

The suitability of such additives must be verified and monitored in trials.

Manufacturers must carefully carry out their own trials when developing pressure-sensitive adhesives based on Acronal A 240, 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.

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## 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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