

Acronal[®] 3635

Adhesive Raw Material

Chemical nature Aqueous APEO-free dispersion of a carboxyl- group-containing acrylate copolymer made with acrylonitrile.

Properties

Physical form liquid

Technical data

(not supply specification)

Solid content	DIN EN ISO 3251	~ 50%
pH value	DIN ISO 976	7.0 – 8.5
Viscosity	DIN EN ISO 3219, Annex A (23 °C, 250 1/s)	20 – 70 mPa.s
Glass transition temperature		~ 40°C
Water absorption of film after 24 h		~ 16%

Application

Adhesives based on Acronal® 3635 can be applied to the carrier material with the usual coating systems, e. g. doctor blade, wire, reverse roll, reverse gravure, curtain and jet applicators. In the event of poor-wetting, it is often helpful to add about 0.5 % of a wetting agent such as Lumiten® I-SC.

We recommend adding a preservative to adhesives and coating materials that contain Acronal® 3635 to protect them from microbial attack, particularly if their pH lies in the neutral range. The suitability of such additives must be verified and monitored in trials.

Manufacturers must carry out thorough trials when they develop adhesives based on Acronal® 3635 as, in manufacture and use, their homogeneity, the compatibility of their components and their adhesion to, and interaction with different substrates etc. are affected by a host of factors that we cannot cover exhaustively in our own trials.

Advantages

Acronal® 3635 forms a film with good immediate tack, high peel strength and good cohesion. It is used to manufacture pressure-sensitive adhesives for self-adhesives articles.

Coatings that contain Acronal® 3635 also have good adhesive properties at low temperatures, are relatively insensitive to water, and adhere very well to films of plasticized and unplasticized PVC, polyester and electrically treated polyolefine films, even without an adhesion promoter.

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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