

Acronal® 3635

Adhesive Raw Materials



We create chemistry

Chemical nature

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

Technical data

Solids content	approx. 50 %
pH value	approx. 7 – 8.5
Viscosity	approx. 20 – 70 mPa·s
Glass transition temperature	approx. – 40 °C
Water absorption of film after 24 h	approx. 16 %

For detailed information see Specification data sheet

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.

Applications

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.

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