

Acronal® 3633

Adhesive Raw Materials

 **BASF**

We create chemistry

Chemical nature

APEO-free aqueous dispersion of an acrylate copolymer containing carboxyl groups

Technical data

Solid content	approx. 60 %
pH	approx. 6.0 – 9.0
Viscosity (EN ISO 3219)	approx. 100 – 300 mPa·s
Glass transition temperature of film	approx. – 35 °C

Advantages

Acronal 3633 is used in the manufacturing of adhesives for self-adhesive articles, especially for single-, double-sided and transfer tapes. Dried films of Acronal 3633 feature excellent adhesive properties on polar and unpolar rigid and porous surfaces, combined with good cohesion power, even at low temperatures, and are insensitive to water stress. The viscosity of Acronal 3633 can be increased significantly by adjusting the pH carefully. Acronal 3633 exhibits an excellent drying behavior allowing to produce articles with high coating weights.

Applications

Compatibility is given with other polymer dispersions, natural and synthetic tackifiers and plastizisers (e. g. Loxanol® PL 5060 or Plastomol® DNA) as well as thickening agents (e. g. Rheovis® VP 1231 or Rheovis® AS 1125) and wetting agents (e. g. Lumiten® I-SC).

Commercially available antifoaming agents are suitable for suppressing foam. Usually the addition of 0.05 – 0.2 % of the antifoaming agent is sufficient.

We recommend adding a preservative to adhesives based on Acronal 3633 to protect them from microbial attack. The suitability of such additives must be verified and monitored in trials.

Adhesives based on Acronal 3633 can be applied using commonly available application devices such as flat blade, Meyer bar, air brush, reverse roll, reverse gravure, nozzle and curtain coater.

Manufacturers must carefully carry out their own experimentation when developing pressure-sensitive adhesives based on Acronal 3633, 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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