

# Acronal<sup>®</sup> 3630

## Adhesive Raw Material

**Chemical nature** APEO-free 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	~ 60 %
pH value	DIN ISO 976	6.0 – 7.5
Viscosity	DIN EN ISO 3219	50 – 150 mPa·s
Glass transition temperature of film		–35 °C

---

## Application

### Advantages

Acronal® 3630 is used in the manufacturing of adhesives for self-adhesive articles, especially for single-, double-sided and transfer tapes.

Dried films of Acronal® 3630 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® 3630 can be increased significantly by raising the pH carefully up to 8.5.

Acronal® 3630 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® 3630 to protect them from microbial attack.

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

Adhesives based on Acronal® 3630 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® 3630, 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.

---

### 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.

® = Registered trademark

™ = Trademark of the BASF Group, unless otherwise noted

BASF SE

Dispersions & Resins Europe  
67056 Ludwigshafen, Germany  
[www.basf.com/dispersions](http://www.basf.com/dispersions)