

# Acronal<sup>®</sup> 3750

## Adhesive Raw Material

**Product description** Acronal<sup>®</sup> 3750 is used to manufacture pressure-sensitive adhesives for self-adhesive articles.

**Chemical nature** Aqueous dispersion of an acrylic ester copolymer which also contains acrylonitrile

---

### Properties

**Physical form** liquid

**Technical data**

(not supply specification)

Solid content	DIN EN ISO 3251	48.0 – 50.0
pH value	DIN ISO 976	3.0 – 5.0
Viscosity, dynamic, (23 °C, 100 1/s)	DIN EN ISO 3219	20 - 85 mPa s
Glass transition temperature		-45 °C

---

## Application

The pH of Acronal® 3750 should be adjusted to approx. 8 with ammonia before it is mixed with other ingredients.

Wetting problems can often be overcome by adding about 0.5 % of a surfactant such as Lumiten® I-SC.

The heat resistance of the polymer film can be improved without any substantial reduction in tack by heating it to a temperature of 130 – 150 °C for 3 – 5 minutes.

Commercial antifoams such as Foamaster® WO 2323 can be used to suppress foam. It is usually sufficient to add 0.05 – 0.2 %, expressed as a proportion of the adhesive.

We would recommend adding preservatives to adhesives and coating materials that contain Acronal® 3750 to protect them from microbial attack. The suitability of such additives must be verified and monitored in trials.

Customers have to carry out their own trials when developing and processing pressure-sensitive adhesives based on Acronal® 3750. The compatibility of Acronal® 3750 with other ingredients of formulations and its ability to wet and adhere to different substrates, etc., are affected by a variety of factors which are too numerous for us to take into account in our own trials. It is particularly important to ensure that removable labels can be peeled off cleanly from all the substrates to which they are likely to be applied.

### 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 Europe

67056 Ludwigshafen, Germany

[www.basf.com/dispersions](http://www.basf.com/dispersions)