

Acronal[®] 3760

Adhesive Raw Material

Product description	Acronal [®] 3760 is used to manufacture pressure-sensitive adhesives for removable paper and primed filmic labels. The plasticizers that are normally employed in these adhesives can be largely eliminated, and in some cases dispensed with completely.
Chemical nature	Aqueous dispersion of an acrylate copolymer.

Properties

Physical form Liquid dispersion

Technical data (not supply specification)	Solid content	DIN EN ISO 3251	~ 55 %
	pH Value	DIN ISO 976	~ 7.5
	Viscosity (23°C)	DIN EN ISO 3219 (23 °C, 100 1/s)	~ 80 mPa.s
	Glass transition temperature of film		~ - 55 °C

Application

The pH should be slightly alkaline when Acronal® 3760 is mixed with other dispersions. Wetting problems can often be overcome by adding about 0.5 % of a surfactant such as Lumiten® I- SC.

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 a preservative to adhesives formulated with Acronal® 3760 to protect them from being attacked by microorganisms.

Trials should be performed to test and monitor the efficacy of the preservatives.

Adhesives based on Acronal® 3760 can be applied with the usual coating systems, like wire-wound rod, reverse roll, reverse gravure coating, curtain coater applicators, etc.

Customers have to carry out their own trials when developing and processing laminating adhesives based on Acronal® 3760. The compatibility of Acronal® 3760 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