

Acronal[®] V 212

Adhesive Raw Materials



Chemical nature

Aqueous dispersion of a carboxylic acrylic ester copolymer

Technical data

Solids content	approx. 69 %
pH	approx. 3.5–6
Viscosity	approx. 300–1100 mPas
Glass transition temperature of film	approx. –40 °C

For detailed information see Specification Data-Sheet.

Application area

Acronal V 212 is used to manufacture pressure-sensitive adhesives for self-adhesive articles. It is distinguished by its good adhesive properties, even at low temperatures. It also has low sensitivity to water and it adheres very well to rigid and plasticized PVC film, polyester film, and polyethylene and polypropylene film treated by corona discharge, with or without an adhesion promoter.

Processing

The pH should be in the weakly alkaline range when Acronal V 212 is mixed with other polymer dispersions. Please note that raising the pH causes the viscosity to increase. The mechanical stability of adhesives can be improved by adding a small amount of thickener. Wetting problems can often be overcome by adding around 0.5 % of a surfactant such as Lumiten[®] I-SC.

We would recommend adding preservatives to adhesives that contain Acronal V 212 to protect them from microbial attack. The suitability of such additives must be verified and monitored in trials.

Adhesives based on Acronal V 212 can be applied with the usual coating systems, e.g. doctor blade, wire-wound roll, air knife, reverse roll coating, reverse gravure coating, curtain coating and jet applicators.

Customers have to carry out their own trials when developing and processing pressure-sensitive adhesives based on Acronal V 212. The compatibility of Acronal V 212 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.

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