

Acronal[®] A 280 na

Chemical Nature

APEO-free, aqueous acrylate copolymer dispersion intended for the production of pressure-sensitive flooring adhesives.

Properties

Typical Properties

Solids content	%	~ 68.5
Apparent viscosity at 23 °C (Brookfield RV, Spindle #3, at 50 rpm)	cps	~ 1000
pH value		~ 5.0

Properties of the film

Acronal A 280 na exhibits the following traits:

- High tack and cohesion
- High solids/low viscosity
- Low odor, no added formaldehyde
- High degree of product consistency
- Very good low-temperature performance
- Good shear stability (sprayable)

* These figures should be taken for comparison purposes only.

Application

Fields of Application

Acronal A 280 na is intended for the production of pressure-sensitive adhesives for the following applications:

- Flooring adhesives
- Construction adhesives
- High tack applications

Advantages

Adhesives formulated with Acronal A 280 na possess an excellent balance of adhesion, tack and cohesion. Acronal A 280 na also has excellent tackifier response, further increasing its adhesion to a variety of surfaces while maintaining greater cohesion than competitive products.

Acronal A 280 na based adhesives develop very good adhesion on low energy surfaces such as rigid and filmic HDPE and LDPE, rigid and plasticized PVC films and polyester films.

Processing

Acronal A 280 na may be blended with other polymers and compounded with a range of additives to modify adhesive properties and machinability.

Due to the anionic nature of Acronal A 280 na, increasing the pH of formulations is generally advisable to insure trouble-free formulating and processing. The pH of Acronal A 280 na should be adjusted to 7.0 - 7.5 before adding other polymers, tackifier resins and auxiliary ingredients. The pH of the final formulation should be 7.5 - 8.5.

The use of dilute (10 - 15%) solutions of ammonium hydroxide, sodium hydroxide or potassium hydroxide is recommended when adjusting pH. The use of organic amines is not recommended due to their slow release from the adhesive.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Acronal 4032.

Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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