

# Acronal<sup>®</sup> S 728 na

## Chemical Nature

Aqueous dispersion of a Styrene Acrylate copolymer used as a binder for coating and paperboard coating.

## Properties

### Typical Properties

|  |     |               |
|--|-----|---------------|
| Solids content   | %   | ~ 49.0 – 51.0 |
| Viscosity at 23 °C<br>(Brookfield RV, Spindle #2, at 20 rpm) | cps | ~ 100 – 600   |
| pH   |     | ~ 6.5 – 7.5   |

### Other properties of the dispersion

|                       |                   |         |
|-----------------------|-------------------|---------|
| Type of dispersion    |                   | anionic |
| Density               | g/cm <sup>3</sup> | 1.04    |
| Freeze/thaw stability |                   | stable  |

### Properties of the film

|                                       |    |           |
|---------------------------------------|----|-----------|
| Appearance                            |    | clear     |
| Flexible                              |    | no        |
| Surface                               |    | tack-free |
| Glass transition temperature<br>(DSC) | °C | ca. 23    |

### Compatible with

Acronal S 728 na is compatible with other substances commonly used in coating colors.

\* The above figures should not be taken as specification.

## Applications

### Features

Acronal S 728 is a SA binder used in coated paper and paperboard applications that meets most regulatory requirements for food grade packaging products. Acronal S 728 na provides paper coatings with excellent sheet and print gloss. Acronal<sup>®</sup> S 728 na demonstrates excellent runnability in almost all coating applications.

### Processing

The pH value of pigment slurries should be in the neutral-to-alkaline range before Acronal S 728 na is added.

Rotary displacement pumps are recommended for coating colors prepared with Acronal S 728 na.

## 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 S 728 na.

## Storage

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

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