

# Styronal ND 811

**Gloss additive for paper and paperboard coatings with limited binding capability.**

## Chemical Nature

**Aqueous dispersion of a styrene-butadiene copolymer.**

## Properties

### Typical Properties

Solids content	%	~ 49 - 51
Viscosity at 23 °C (Brookfield RV, Spindle #1, at 20 rpm)	cps	~ 50 – 200
pH		~ 7.0 – 8.0

### Other properties of the dispersion

Type of dispersion		anionic
Density	g/cm <sup>3</sup>	1.01
Freeze/thaw stability		not stable

### Properties of the film

Appearance (At room temperature)		non film forming
Flexible		no
Surface		tack-free
Glass transition temperature (DSC)	°C	ca. 56

## Compatible with

Styronal ND 811 is compatible with other substances commonly used in coating colors.

## Applications

### Features

Styronal ND 811 has excellent glossing characteristics, mechanical and chemical stability. Styronal ND 811 may be used as a glossing additive for both paper and paperboard coatings.

### Processing

The pH value of pigment slurries should be in the neutral-to-alkaline range before Styronal ND 811 is added.

## 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 Styronal ND 811.

## Storage

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

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