

Acronal[®] S 866 na

Chemical Nature

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

Properties

Typical Properties

Solids content	%	~ 47.0 – 49.0
Viscosity at 23 °C (Brookfield RV, Spindle #2, at 100 rpm)	cps	~ 130 – 400
pH		~ 6.0 – 7.0

Other properties of the dispersion

Type of dispersion		anionic
Density	g/cm ³	1.05
Freeze/thaw stability		not stable

Properties of the film

Appearance		clear
Flexible		yes
Surface		tack-free
Glass transition temperature (DSC)	°C	ca. 39

Compatible with

Acronal S 866 na is compatible with other substances commonly used in coating colors.

* The above figures should not be taken as specification.

Applications

Features

Acronal S 866 imparts improved print mottle resistance, print gloss, pick strength, and stiffness performance in most paper and paperboard applications. Note: Higher than normal sheet temps. (> 165°F) are required to achieve the above benefits. Acronal S 866 na does not contain plasticizers or solvents.

Processing

The pH value of pigment slurries should be in the neutral-to-alkaline range before Acronal S 866 na is added. Rotary displacement pumps are recommended for coating colors prepared with Acronal S 866 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 866 na.

Storage

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

Important

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