

Acronal® NX 5818

Binder for filtration and other Nonwovens applications

Chemical Nature

Aqueous dispersions of an n-butyl acrylate-acrylonitrile-styrene copolymer. Does not contain plasticizers or solvents.

Properties

Typical Properties

Solids content	%	~ 48.0
pH value		~ 6.5
Viscosity at 23 °C (Brookfield RV, Spindle #2, at 100 rpm)	cps	~ 100 – 400

Further properties of the dispersion

Density	g/cm ³	approx. 1.05
Freeze/thaw stability		not stable
Dispersion type		anionic

Properties of the film

Appearance	clear
Surface	tack-free

Compatible with

Acronal NX 5818 is compatible with other substances commonly used in nonwovens and saturation applications.

* These values should not be taken as specification

Applications

Features

Acronal NX 5818 is a sturdy, resilient binder having good abrasion resistance for a variety of applications. Acronal NX 5818 has good strength in the presence of oil or water. Acronal NX 5818 imparts stiffness and pleatability to filter media (good for making folded pleats).

Processing

The pH value of compounding formulations should be in the neutral-to-alkaline range before Acronal NX 5818 is added. Rotary displacement pumps are recommended for coating colors prepared with Acronal NX 5818.

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 NX 5818.

Storage

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

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