

# Acronal<sup>®</sup> NX 5818

**Binder for filtration and high temperature damping applications. Binder is also used as a supplement for good gravel resistance in underbody coatings**

## **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 <sup>3</sup>	approx. 1.05
Freeze/thaw stability		not stable
Dispersion type		anionic

### **Properties of the film**

Glass transition temperature T <sub>g</sub> (DSC)	°C	ca. 39
Appearance		clear
Surface		tack-free

## **Compatible with**

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

## **Application**

### **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.

Please refer to the "Handling and Storage of polymer dispersions" brochure.

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