

Acronal[®] NX 3587

Binder for Nonwoven and gasket applications

Chemical Nature

Acronal NX 3587 is an aqueous dispersion of a room temperature cross-linkable acrylic copolymer.

Properties

Typical Properties

Solids content	%	~ 55.0
pH value		~ 7.5
Viscosity at 23 °C (Brookfield RV, Spindle #4, at 100 rpm)	cps	~ 200 – 500

Further properties of the dispersion

Density	g/cm ³	approx. 1.04
Freeze/thaw stability		not stable
Dispersion type		anionic

Properties of the film

Appearance	clear, transparent
Surface	slightly tacky

Compatible with

Acronal NX 3587 is compatible with other substances commonly used in nonwoven applications.

* These values should not be taken as specification

Applications

Features

Acronal NX 3587 is suitable for bonding nonwovens of all types. In view of its soft handle, it is particularly suitable for the production of nonwoven interlinings. The dispersion is also recommended for coating and impregnating woven and knitted fabrics. Another field of application for Acronal NX 3587 is the production of laminated textiles.

Acronal NX 3587 can be applied with conventional impregnating, spraying, and coating and lick-roll applicators. For blade coating, the dispersion can be converted into a paste with thickeners. Acronal NX 3587 can be converted into foam by injecting or stirring-in air. The stability of the resultant foam can be improved by addition of surfactants or thickeners.

When completely crosslinked, the film that Acronal NX 3587 yields is insoluble in most organic solvents. A slight swelling can occur.

Processing

The pH value of compounding formulations should be in the neutral-to-alkaline range before Acronal NX 3587 is added. Rotary displacement pumps are recommended for coating colors prepared with Acronal NX 3587.

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 3587.

Storage

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

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BASF Corporation

Dispersions and Resins
11501 Steele Creek Road
Charlotte, North Carolina 28273
Phone: (800) 251 – 0612
Email: CustCare-Charlotte@basf.com
www.basf.us/dpsolutions