

Acronal[®] A 378

Aqueous polymer dispersion used in the manufacture of industrial adhesives

Chemical Nature

Aqueous dispersion of an acrylic ester copolymer containing acrylonitrile

Properties

Typical Properties

Solids content	%	~ 62.0
pH		~ 6.2
Viscosity at 23 °C (Shear rate 100 s ⁻¹)	mPa s	100 – 250
Viscosity at 23 °C (Brookfield RVT, Spindle 2, at 100 rpm)	mPa s	100 – 350

Other properties of the dispersion

Density at 20 °C	g/cm ³	approx. 1.05
Type of dispersion		anionic
Freeze/thaw stability		sensitive to freezing

Properties of the film

Density at 20 °C	g/cm ³	approx. 1.07
Appearance		clear, transparent
Resistance to light		good
Surface		tacky

These typical values should not be interpreted as specifications.

Application

Features

Industrial Adhesive base polymer with high specific adhesion, cohesive strength and heat resistance. Low VOC's, superior plasticizer resistance and filler compatibility.

Processing

Recommend adding preservative to adhesives formulated with Acronal A 378 to protect them from being attacked by micro-organisms. Trials should be performed to test and monitor the efficacy of the preservatives.

Customers have to carry out their own trials when developing and processing products based on Acronal A 378. The compatibility of Acronal A 378 with other ingredients of formulations, its homogeneity and its adhesion on different substrates, etc., are affected by a variety of factors which are too numerous for us to take into account in our own trials.

Coatings are generally produced in high-speed mixers (e.g., dissolvers) by predispersing the filler/pigment mixture, incorporating the auxiliaries, and adding the dispersion as the last component.

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 A 378.

Storage

Please refer to the "Storage & Handling of Polymer Dispersions" brochure

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