

Acronal[®] 4528 X

Chemical Nature

Acronal 4528 X is a styrene/n-butyl acrylate dispersion

Properties

Typical Properties

Solids content	%	~ 54.0
pH value		~ 7.5
Viscosity at 23 °C (Brookfield RV, Spindle #2, at 20 rpm)	cps	~ 50 – 600

Further properties of the dispersion

Density	g/cm ³	approx. 1.03
Bound styrene	%	ca. 47
Residual monomer	%	0.0035 max
Freeze/thaw resistance		not stable

Properties of the film

Glass transition temperature T _g (DSC)	°C	ca. 12
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* These values should not be taken as specification

Applications

Acronal 4528 X is a low odor, ammonia free dispersion that is used in the formulation of laminating adhesives. It provides toughness and moisture resistance in the finished formulation.

Acronal 4528 X latex is designed to help Industrial Coating manufacturers incorporate traditional and nontraditional fillers into their adhesive systems. Acronal 4528 X is suitable for use in frothed and non-froth systems.

Processing

We recommend adding a preservative to adhesives and coating materials that contain Acronal 4528 X to protect them from microbial attack, particularly if their pH lies in the neutral range. The suitability of such additives must be verified and monitored in trials.

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 4528 X.

Storage

Please refer to the "Handling and Storage of polymer dispersions" brochure. Technical information regarding the storage of BASF polymer dispersion products is available upon request.

Important

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