

LITEX NX 1200 is an aqueous, plasticizer-free and formaldehyde reduced dispersion of a butadiene-acrylonitrile copolymer that can be crosslinked by heat. LITEX NX 1200 contains an anionic-nonionic emulsifier system and is stabilized with an antioxidant.

For further information regarding this product please refer to:

Andreas Gehr

Tel: +49 6108 919 394

eMail: andreas.gehr@synthomer.com

Property	Typical Value	Unit	Method ¹
Solids Content	45,0	%	ISO 124
pH Value	7.5		DIN ISO 976
Viscosity	< 100	mPa s	ISO 1652
Glass Transition Temperature	- 35	°C	DIN 53765
Surface Tension	30	mN/m	ISO 1409

¹ internal method based upon the specified norm

Application Advice

LITEX NX 1200 is suitable for bonding non-wovens produced from natural and/or synthetic fibres. By virtue of its great flexibility and good resistance to plasticizers we particularly recommend it for synthetic leathers, e.g. poromerics, heel pads, shoe linings. It can also be used for coating and impregnating fabrics. The polymer dispersion can be processed on conventional impregnating, spraying and coating installations. If textile fabrics are to be knife coated, the dispersion is converted into a paste by adding thickeners. LITEX NX 1200 can be frothed by stirring or injecting air. The obtained foam can be stabilized by adding surfactants or thickeners. The foam is also suitable for bonding non-wovens or impregnating fabrics. LITEX NX 1200 is readily compatible with chalk, barytes, titanium dioxide and other inorganic pigments. The viscosity of LITEX NX 1200 can be increased by adding conventional thickeners, for example methyl cellulose, carboxymethyl cellulose or acrylic thickeners. If the penetration of the material by the impregnation formulation is not sufficient appropriate surfactants may be added. LITEX NX 1200 coatings formed by evaporation of water are already partially crosslinked. The condensation reaction is optimized by subsequent heat treatment at temperatures between 120 °C and 150 °C. The reaction is accelerated by catalysts, e.g. ammonium nitrate and maleic or phosphoric acid. After the coatings have been completely crosslinked they are insoluble in most organic solvents. They merely swell. On request we will be pleased to provide you with typical formulations for your guidance

Shipping and Storage

Store at an even temperature of between +5°C and +35°C avoiding frost and direct sunlight. Stir product before use. If stored according to these conditions and in the original unopened containers, the dispersion will be stable for 12 months following delivery. Product should be used as soon as possible after opening. During processing, storage and transport, avoid any contact with metals (including non-ferrous metals) which are not protected against corrosion. Detailed information is available on request.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.