

Butonal[®] NS 104

Chemical Nature

Cold polymerized, non-carboxylated, fatty acid stabilized styrene-butadiene copolymer dispersion for the manufacture of flooring adhesives and latex foam

Properties

Typical Properties

Solids Content	%	70.0 – 72.0
pH		10.0 – 10.7
Viscosity at 23 °C (Brookfield LV, Spindle #3, at 30 rpm)	mPa s	1000 – 1500

Other properties of the dispersion

Density	lbs/gal	ca. 8.00
Bound Styrene	%	ca. 24
Residual Styrene	%	0.08 max.
Surface Tension	mN/m	ca. 34
Type of Dispersion		anionic
Antioxidant		none

Properties of the Film

Mechanical Strength*		
Tensile Strength	psi	ca. 65
Elongation at Break	%	ca. 400
Surface		non-tacky

* These figures should be taken for comparison purposes only. All that can be obtained from it is an idea of the order of magnitude concerned.

Compatible With

Dispersions	Butofan [®] NS 209, NS 222, Styrofan [®] ND 593, Styronal [®] ND 811
Thickeners	Rheovis [®] AS 1125
Resins	Commercial hydrocarbon tackifier dispersions

Application

Fields of Application

Butonal NS 104 is used in the manufacture of flooring adhesives. Butonal NS 104 is a high-molecular weight polymer dispersion which gives excellent legging characteristics in flooring adhesives.

Processing

In general, additives should be pre-neutralized to pH > 8.5 - 9.0 (depending on the system) prior to blending with Butonal NS 104. The exact conditions should be determined by laboratory 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 Butonal NS 104

Storage

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

Important

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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