

Styronal[®] 4411

Chemical Nature

Aqueous dispersion of a carboxylated styrene/butadiene copolymer used in nonwoven applications

Properties

Typical Properties

Solids content	%	~ 50
pH value		~ 8.5
Viscosity at 23°C (Brookfield RV, Spindle #1, at 20 rpm)	cps	~ 200

Other properties of the dispersion

Density	lbs/gal	~ 8.3
Dispersion type		anionic

Compatible with

Styronal 4411 is compatible with other substances commonly used in coatings and saturation applications.

Thickeners

Rheovis[®] AS 1125, Rheovis[®] HS 1152 and casein solutions

* These values permit only a rough comparison of film strengths

Application

Processing

Styronal 4411 is a frothable dispersion. Its dried films are very strong and stiff. Styronal 4411 demonstrates excellent runnability in coating applications.

Styronal 4411 is ideally suited for binder applications.

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 Material Safety Data Sheet for Styronal 4411.

Storage

Please refer to the "Handling and Storage of polymer dispersions" brochure.

Important

The descriptions, designs, and data contained herein are presented for your guidance only. Because there are many factors under your control which may affect processing or application/use it is necessary for you to make appropriate tests to determine whether the product is suitable for your particular purpose prior to use. **NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, OR DATA MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, DATA OR DESIGNS PROVIDED BE PRESUMED TO BE A PART OF OUR TERMS AND CONDITIONS OF SALE.** Further, you expressly understand and agree that the descriptions, designs, and data furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for same or results obtained from use thereof, all such being given to you and accepted by you at your risk.

Styronal is a registered trademark of BASF Group.

© BASF Corporation, 2025



BASF Corporation is fully committed to the Responsible Care® initiative in the USA, Canada, and Mexico.

For more information on Responsible Care® go to:

U.S.: www.basf.us/responsiblecare_usa

Canada: www.basf.us/responsiblecare_canada

México: www.basf.us/responsiblecare_mexico

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