

# Styrofan<sup>®</sup> 4219

## Chemical Nature

Styrofan 4219 is a carboxylated styrene/butadiene dispersion

### Properties

#### Typical Properties

Solids content	%	~ 52.5
pH value		~ 7.9
Viscosity at 23 °C (Brookfield RV, Spindle #2, at 20 rpm)	cps	~ 60 – 600

#### Further properties of the dispersion

Density	g/cm <sup>3</sup>	approx. 1.01
Bound styrene	%	ca. 65
Residual monomer	%	0.0035 max
Freeze/thaw resistance		not stable

#### Properties of the film

Glass transition temperature T <sub>g</sub> (DSC)	°C	ca. 13
--	----	--------

\* These typical values should not be interpreted as specifications.

### Application

Styrofan 4219 is a low odor, low ammonia containing dispersion that is used in the formulation of laminating adhesives. It provides toughness and water resistance in the finished formulation. Styrofan 4219 is a low odor dispersion.

Styrofan 4219 styrene butadiene latex is designed to help carpet manufacturers incorporate nontraditional post-industrial and post-consumer fillers and additives into their carpet backing systems.

## Processing

We recommend adding a preservative to adhesives and coating materials that contain Styrofan 4219 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 Material Safety Data Sheet for Styrofan 4219

### 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.

*Styrofan is a registered trademark of BASF Group.*

© BASF Corporation, 2019



**Responsible Care®**  
*Good Chemistry at Work*

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](http://www.basf.us/responsiblecare_usa)

Canada: [www.basf.us/responsiblecare\\_canada](http://www.basf.us/responsiblecare_canada)

México: [www.basf.us/responsiblecare\\_mexico](http://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](mailto:CustCare-Charlotte@basf.com)  
Email: [edtech-info@basf.com](mailto:edtech-info@basf.com)  
[www.basf.us/formulation-additives](http://www.basf.us/formulation-additives)