

Celvolit® 1498 (SG)

TDS

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Characteristics

Celvolit® 1498 (SG) is an unplasticized copolymer emulsion of vinyl acetate and ethylene.

Stability System

Poly(vinyl alcohol)

General

Celvolit® 1498 (SG) has the feature of high viscosity responding with plasticizers and solvents, it is designed for adhesives that require high wet tack, fast setting speed. It provides adhesion to a wide variety of porous and nonporous substrates with a strong, yet permanently flexible adhesive bond, also with excellent heat resistance.

When Celvolit® 1498 (SG) is dried at temperatures above 0°C, the dispersion forms a slightly opaque, soft film without the addition of solvents or plasticizers.

Celvolit® 1498 (SG) is compatible with a variety of plasticizers, solvents, fillers and other modifiers.

Recommended application areas include:

- Paper and converting adhesives
- Woodworking adhesives

Performance may vary depending on your formulation. Please contact our Application Technology Group to assist you.

PRODUCT SPECIFICATION	Method*	Unit	Value
Solids content(130°C,30min)	ISO 3251	%	54.5 – 56.5
Brookfield viscosity(Spindle nr 4/20rpm/25°C, BVF RVT)	ISO 2555	mPa-s	3,000 – 4,500
pH value	ISO 976		4.0 – 5.0

TYPICAL PROPERTIES	Method	Unit	Value
Particle size		µm	approx. 1.2
Minimum film forming temperature(MFFT)	ISO 2115	°C	approx. 0
Glass transition temperature(Heat rate 10°C/min,on set point)	ISO 16805	°C	approx. 2
Glass transition temperature(Heat rate 10°C/min,middle point)	ISO 16805	°C	approx. 6
Appearance of polymer film	Slightly opaque, soft film.		

Preservation and storage

When the dispersion is manufactured a preservative is added to prevent the growth of microorganisms.

Nevertheless, unfavorable storage conditions may cause risks of microbial contamination. Storage tanks and pipe work should therefore be kept adequately clean.

Celvolit® 1498 (SG) should not be stored for longer than six months, at a storage temperature between 5 and 35°C. The emulsion must be protected from frost and from direct exposure to sunlight.

To ensure safe storage of Celvolit® 1498 (SG), containers should be well sealed to prevent evaporation of water and the formation of skin on the surface, the technical properties of the emulsion may change as a result.

Skins or lumps can form during storage and transport of the dispersion due to its film forming nature. A filtration or sieve process is recommended before further processing.

Industry safety and environmental protection

Celvolit® 1498 (SG) is water-based and not classified as a hazardous substance within the meaning of the current Dangerous Substances Regulations. Nevertheless general safety precautions in the processing of polymer dispersions should be observed. Protective gloves and goggles should be worn and working areas should be adequately ventilated.

A safety data sheet is available on request.

Commitment to quality

It is our policy to provide defect free products the first time and every time and to provide services to meet our customers' needs.

Our quality philosophy calls upon all employees to strive for continuous improvement through the quality improvement process and sets a zero defect goal as the only acceptable level of performance.

This information is based on our present state of knowledge and is intended to provide general notes on our products and their possible uses. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. It should therefore not be construed as an expressed or implied warranty of specific properties of the products or for its suitability for a particular use. Any existing industrial property rights must be observed. The quality of our products is governed by our General Conditions of Sale. In every case we urge and recommend that purchasers before using any product in full scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions.