

technical information

GELBOND[®] 122



... for a top Tack

PLAKAL
GELTACK
GELBOND
MATCHTACK

Main applications:

Adhesion of intermediate layers, for example of toilet paper, kitchen rolls, other tissue products

Description:

GELBOND[®] 122 is a high-output protein adhesive on the basis of renewable raw materials. As a result of its specific rheological properties, it can be applied in very fine, non-tearing threads by means of a suitable application system.

GELBOND[®] 122 excels thanks to a high initial adhesion, precise dosing capability and the best possible machine running properties. In this way, practically all kinds of tissue products with an application weight of $< 1 \text{ g/m}^2$ can be permanently fixed. Drying is elastic and free of tension.

In the paper recycling process, so-called stickies, which have to be separated mechanically, normally form due to the use of thermoplastic adhesives. Thanks to its water-soluble character, these problems do not occur with **GELBOND[®] 122**.

Characteristics:

Refractometer figure: 57.0 %

Viscosity: 6200 mPas \pm 700 mPas ¹⁾

Setting capacity: immediate, strong ²⁾

Gel point: 44.0 °C ³⁾

Open time: short

Appearance: white

1) The viscosity was measured at 60 °C with a Haake rotation viscometer. As a rule, the figure does not match the viscometers on the machines.

2) This figure was measured at 22°C and 40 % air humidity and changes if the ambient conditions and the concentration of the solution also change.

3) The gel or solidification point is defined as the temperature at which the protein adhesive gels under defined conditions.

GELBOND® 122 is a natural product and colour deviation is normal. The variation in colour has no effect on the quality of the adhesive.

Processing information: **GELBOND® 122** is molten in a barrel melting system at 50-70 °C. It is applied at 50-60 °C by means of a suitable application system.

After melting, the adhesives should be consumed speedily. Heating above 70°C should be avoided. Excessively high and long temperature strains can damage the adhesives and lead to losses of adhesive power. After the end of the adhesive application, the heating of the barrel melting system must be switched off.

Storage: Dry and cool.

Service life: If the storage conditions stated are complied with, the minimum service life is 6 months.

Delivery form: 200 l barrel

Disposal: As a rule **GELBOND® 122** is biodegradable or degradable in biological sewage plants. In case of doubt, contact your wastewater management authorities.

Cleaning: Warm water.

Further information can be found in our safety data sheets.

The information given on this sheet is based on our current technical knowledge and experience and is not binding. It does not release the user from his own tests and experiments on account of the variety of possible influences in processing and application.

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