

Product information

GELMELT[®] 054



Main applications: Adhesive for packaging

Description: **GELMELT[®] 054** is a protein adhesive with low viscosity. It is especially characterised by a long open time and good flatlaying properties. It has good fluid and dilution properties.
In addition, the adhesive power is also maintained in contact with aromatic vapours and oils as well as organic solvents.
GELMELT[®] 054 is frost insensitive during transport and storage as well as during the production of cold treatment packing.

Characteristics:	Refractometer value:	61.4 %
	Viscosity:	530 mPas ± 50 mPas ¹⁾
	Gelatinizing power:	instantly, strong ²⁾
	Gelation point:	35.4 °C ³⁾
	Open time:	long
	Solid content:	61.0 %
	Appearance:	light brown

GELMELT[®] 054 is a natural product and colour deviation is normal. The variation in colour has no effect on the quality of the adhesive.

- 1) Viscosity measure with a Haake rotating viscosimeter at 60°C. As a rule the reading does not coincide with the reading from the viscosimeter on the machine.
- 2) This value was determined at 22°C and 40% relative humidity. It is subject to change through changing climatic conditions and changing concentrations of the solution.
- 3) The gelation or solidification point is defined as the temperature at which the protein adhesive gels (solidifies) under pre-defined conditions.

Preparation directions: **Temperature:** **45° - 65°C**

The adhesive can be applied with various systems, e.g. via roller, glue wheel, nozzles.

GELMELT® 054 is molten on the melting panel in the application device at 45° - 65°C. After melting, the adhesive should be consumed speedily within 24 hours.

Heating above 70°C should be avoided. Excessively high and long temperature strains can damage the adhesive and lead to losses of adhesive power.

After the end of the adhesive application, all the heating appliances of the device must be switched off.

If the device is not needed for a number of days to weeks, the residual adhesive must be discharged so that it does not dry and the device inclusive hose and nozzle can be cleaned with warm water. In case of application with glue wheel or roller also clean it with warm water.

Storage: Dry and cool.

Storage life: Storage life of at least 6 months if storage conditions are observed.

Form of delivery: Pileable 20 kg cartons containing 8 polythene wrapped portions of 2.5 kg each or pileable 15 kg cartons containing 6 polythene wrapped portions of 2.5 kg each in cylinder form.

Disposal: As a rule **GELMELT® 054** is biodegradable or degradable in biological sewage plants. In case of doubt, contact your wastewater management authorities.

Cleaning: Warm water. We recommend our separating and cleaning agent **PARTINOL**.

For further information please refer to our safety data sheet.

The information in the present data sheet is based on current technical knowledge and experience and are without obligation. The aforesaid data and information do not release the worker from his duty of care, in particular his trial and test obligations.

As per 01. October 2010