



# TECHNICAL DATASHEET

## DANAFIX

*Hot melt for bookbinding*

**Product:**  
**DANAFIX 831**

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**Company** DANA LIM A/S  
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### Product Description and Application:

DANAFIX 831 is a hot melt especially developed for side gluing in the bookbinding industry.

The adhesive is approved according to FDA 175.105 (indirect food contact) and suitable for the food industry.

DANAFIX 831 is approved for use in Nordic Ecolabelled products.

Packaging size:

Item no.	Size
6727	15 kg

### Physical / Chemical Properties:

#### DANAFIX 831

Type:	EVA
Colour:	White
Open time:	Long
Softening point, [°C]:	75-95
Viscosity [cP]:	2.300, 160°C
Shelf life:	Minimum 2 years in original closed packaging.

## Directions for use:

- Preparation:** All surfaces must be clean and dry, free of dust, oil and other loose particles.
- Application:** The adhesive is applied with standard hot melt equipment e.g. nozzle or roller. Always follow the instructions from the equipment supplier.
- Application temperature:** 150-170 °C  
Avoid temperatures above 190 °C.

- Typical settings:** The temperature regulation of the equipment is normally divided into 3 zones.
- Tank:** Storage time in the tank is the longest duration for the hot melt. It is important to keep the temperature in the tank as low as possible, as the tank is where the hot melt is stored for the longest time. The temperature should be regulated to a level where the adhesive barely is melted. As rule of thumb the temperature is set 5-10°C below the temperature of the hose.
- Hose:** The hose should be regulated to a temperature between the tank and the nozzle. For high consumptions, a little higher temperature can be selected. As rule of thumb the temperature is set 5-10°C below the temperature of the nozzle.
- Nozzle:** The nozzle should be regulated to the application temperature. High temperature will increase open time and pressing time, and will normally increase the adhesion properties. Low temperature will decrease the open time and pressing time.

<b>Tank [°C]</b>	140-150
<b>Slange [°C]</b>	150-160
<b>Dyse [°C]</b>	160-180

- Cleaning:** Clean the hot melt equipment with DANAFIX 918. Clean tools with DANAFIX 919.
- Storage:** Store dry and cool (max. 25 °C)
- Packaging:** 15 kg bags

All information's are meant as a guideline. Sufficient test should be carried out to determine final working condition.

## Safety:

- Hazard Symbols:** None
- Risk and Safety phrases:** None

For further information concerning safety, refer to safety Datasheet.

## Further information:

**DANA LIM offers a range of adhesives for professionals:**

- 100-series: Upholstering adhesives
- 200-series: Flooring adhesives
- 300-series: Wall adhesives
- 400-series: Wood adhesives
- 500-series: Sealants & PU-foams
- 600-series: Building-additives, fillers etc.
- 700-series: Paper-, packaging- and newspaper adhesives
- 800-series: Hot melt**
- 900-series: Cleaning-, release agents and hardeners.

**In the 800-series Hot melt DANA LIM offers:**

- 810-series: Hot melt sticks
- 840-series: Hot melt in cartridges for edge bonding
- 850-series: Assembling
- 860-series: Profile wrapping
- 870-series: Edge bonding
- 880-series: Packaging closing
- 890-series: Pressure sensitive

The information and data contained in this data sheet are based on extensive laboratory testing and our practical experiences, and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this technical data sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.