



## TECHNICAL DATA SHEET

### Hot melt adhesive

#### AD 812

**AD 812** has been proven to be an excellent universal Bookbinding product. It performs well on most medium to fast running speed machines in both cold winter and hot summer conditions. **AD 812** is a high quality product, giving such benefits as low odour, non-fuming and non-tainting, and very good flexibility, very important in the bookbinding industry. It has the highest level of thermal stability of any hot melt adhesive, which prevents the build up of char or gel. **AD 812** is clean running on all roller applicator systems and together with the excellent thermal stability cuts machine downtime to an absolute minimum, the temperature should be turned down when the machine is not in use. **AD 812** has been formulated to give a medium open-time, high molten tack and a fast speed of set. These characteristics, together with excellent adhesion to a wide range of substrates makes **AD 812** an excellent choice in both paper back and hard cover bookbinding applications.

#### Methods of application - Roller

Suggested application temperature is **160°C to 170°C** (Depending upon substrates to be bonded).

#### Technical characteristics

<b>Adhesive type :</b>	Synthetic polymer based hot melt
<b>Brookfield Viscosity at application temperature :</b>	3600cps at 160°C (typical value)
<b>Ring and ball softening point :</b>	80°C (typical value)
<b>Adhesive open time :</b>	Medium - Long
<b>Adhesive molten tack :</b>	High
<b>Colour :</b>	White

**FDA approved :** All the constituent parts of this adhesive have been approved by the American FDA under CFR 21.176.180 (Components of paper and paper board in contact with dry foods)

#### Packaging

**Physical form :** Pastilles

## **Health and safety**

Follow the guidelines in the BASA *Safe Handling* handbook available from Adhesives Direct.  
Use protective clothing and take normal precautions when using hot liquids.

**Burns** Do not attempt to remove cold adhesive from skin – seek medical advice.

**Hot fumes** Do not inhale. Use in a well ventilated area.

**Fire risk** Use at recommended running temperatures.

## **Thermal stability**

All Adhesives Direct hot melt adhesives are formulated to minimise the risk of degradation at elevated temperatures. To ensure clean running, however, keep to the suggested application temperature, check thermostats regularly and never exceed 200°C.

## **Storage**

Store in a clean dry place at temperatures between 5°C and 30°C with containers kept closed.  
Use oldest stock first.

## **Further advice**

Highly experienced members of Adhesives Directs' technical department are always available to help solve your adhesive problems and to give general advice. If you require further technical details on this hot melt adhesive or any other product from our range. Please contact our laboratory.

To arrange samples and trial quantities, please phone our sales department. Both departments can be contacted on 01978 664 556 or faxed on 01978 664 557.

## **Please note**

The statements made in this data sheet are the experience of Adhesives Direct in the field and the result of very careful laboratory evaluations by trained and qualified staff employing British Standard and similar test methods. No guarantee can be made, however, as regards specific applications as conditions and substrates etc are different for each individual case.

Full production trials and end-use testing should be undertaken to properly evaluate any adhesive under specific conditions.