

Reactive PUR Hotmelt 712.3 - ME

Reactive hotmelt adhesive based on polyurethane (PUR) for bookbinding

Fields of application

- Bookbinding spine gluing

Advantages

- Excellent resistance to heat, more than 100°C (depending upon the material used)
- Resistance to cold temperature as low as -40°C (depending upon the material used)
- ME product (micro emission) residual monomer content < 0.1%

Properties of the adhesive

Base: polyurethane
Density: approx. 1.1 g/cm³

Viscosity (on the day of production)- Brookfield HBTD 10 Upm:

at 120°C: 4,000 ± 1,000 mPa s
at 140°C: 2,000 ± 500 mPa s

Identification: identification not required according to EU regulations
(see our safety data sheet)

Attention

When hotmelt adhesives are melted and applied, vapours are set free and an unpleasant odour can occur, even if the recommended working temperature has been observed. Moreover if the prescribed working temperature is exceeded over a longer period, harmful decomposition products can develop. Precautions should be taken to eliminate the vapours, e.g. by using a suitable ventilation system.

Application devices

- barrel melting systems for 20 litre and 200 litre barrels
- 2 kg tank melter or 2 kg pouch melter

Application methods

The adhesive can be applied per roller or slot nozzle application.

Processing temperature:

Platen: 90-110°C

Application nozzle/roller: 120-130°C

Application

KLEIBERIT 712.3 is suitable for book binding via roller or nozzle application.

The adhesive is very heat resistance (stable in the melter for more than 6 hours).

It can be used for the production of brochures, catalogues and books on all types of book binding machines with suitable application units.

Speeds of 500 to more than 15,000 books per hour can be achieved.

The finished books have very high side strength and temperature resistance of -40°C to 100°C.

Cleaning

After finishing the work with KLEIBERIT PUR Hotmelt 712.3 - ME empty the applicator, draw off the residual hotmelt, EVA hotmelt - KLEIBERIT Cleaning Compound 761.7 - should be melted and discharged until the last residue of PU hotmelt has been removed. Cured hotmelt can only be removed mechanically.

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Packaging

KLEIBERIT PUR Hotmelt 712.3-ME:

carton with 4 pouch packs at 2 kg net each
pouch packs, 18 kg net each
metal pail, 190 kg

KLEIBERIT Cleaning Compound 761.7:

carton with 12 cartridges at 250 g net each
carton with 4 pouch packs at 1.5 kg net each
metal pail, 15 kg net
sack, 20 kg net
drum, 150 kg net

Additional packaging sizes available upon request.

Storage

KLEIBERIT PUR Hotmelt 712.3 - ME can be stored
in originally closed containers as follows:
pouch packs, approx. 12 months

Protect from humidity!

EX0512; replaces previous versions

Waste Disposal

Disposal of contents and/or containers should comply with all applicable federal, state and local regulations.
Our containers are made of recyclable material.

Service

Our application department may be consulted at any time without obligation. The statements made herein are based on our experience gained to date. They are to be considered as information without obligation. Please test and establish for yourself the suitability of our products for your particular purposes. No liability exceeding the value of our product can be derived from the foregoing statements. This also applies to the technical consultancy service which is rendered free of charge and without obligation.