Reactive Hotmelt E-Melt 712.6

Low temperature PUR; processing under 100°C

Reactive hotmelt adhesive based on polyurethane (PUR) for bookbinding

Fields of application
- Bookbinding spine gluing

Advantages
- Low processing temperature from 80°C. Energy savings of up to 30% can be reached.
- Excellent resistance to heat, more than 100°C (depending upon the material used)
- Outstanding resistance to cold temperature as low as -40°C (depending upon the material used)
- Low emission

Properties of the adhesive
Base: polyurethane
Density: approx. 1.1 g/cm³
Viscosity (on the day of production)-
Brookfield HBTD 10 rpm:
at 100°C: 5,000 ± 1,000 mPa s

Open time: short

Identification: identification required according to EU regulations; contains diphenylmethane-4,4'-diisocyanate (see our safety data sheet)

Attention
When hotmelt adhesives are melted and applied, vapors are set free and an unpleasant odor 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 vapors, e.g. by using a suitable ventilation system.

Application devices
- barrel melting systems for 20 liter and 200 liter barrels
- 2 kg tank melter or 2 kg pouch melter

Application Methods
The adhesive can be applied with a roller or slot nozzle.

Processing temperature:
Platen: 80-90°C
Application nozzle/roller: 80-100°C

Application
KLEIBERIT E-Melt 712.6 is suitable for bookbinding 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 bookbinding 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 E-Melt 712.6 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 PUR hotmelt has been removed. Cured hotmelt can only be removed mechanically.

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Packaging

KLEIBERIT E-Melt 712.6:
fiber drum with aluminum bag, 18 kg net
metal drum, 190 kg net

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

Additional packaging sizes available upon request.

Storage

KLEIBERIT E-Melt 712.6 can be stored in originally closed containers as follows:

fiber drums with aluminum bag (18 kg), approx. 12 months
drums, approx. 12 months

Protect from humidity!

Version KH 0613; 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.

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