

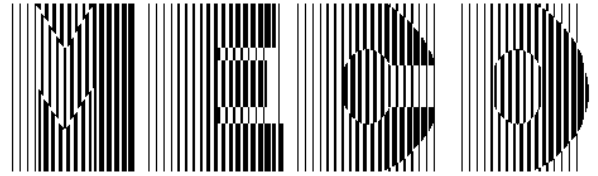
SR-AP/49

**INDUSTRIAL ADHESIVE
FOR TRANSPARENT POLYESTERS**

- TECHNICAL INFORMATION -

MECO
ENERGIE-KOLLEKTOREN GmbH
Radolfzeller Str. 56
D-78476 Allensbach / Germany

phone: ++49 (0) 75 33 / 94 98 3 - 0
fax: ++49 (0) 75 33 / 94 98 3 - 33
e-mail: service@mecostat.de
Internet: <http://www.mecostat.com>



Industrial adhesive SR-AP/49 for transparent (amorphous) polyesters (APET)

General

SR-AP/49 is a special adhesive containing solvents for transparent polyester materials which was particularly developed for bonding amorphous PETP sheeting (APET) and PETG for non-food applications.

Areas of Application

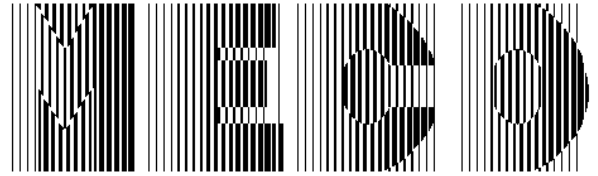
- Bonding of transparent APET or PETG sheets on available machinery with bonding device:
 - foldable boxes
 - transparent lids
 - round containers, pipes
- bonding of blown or other APET containers

Bonding Properties

- The bonding of APET materials gives highly transparent results without impairing the transparent characteristics of the plastic
- high initial strength (approx. 2,5 N/mm peeling hardness) after approx. 30-60 sec (adjustable)
- extremely high final strength (>18.0 N/mm)
- the final strength is reached after approx. 8 hours at room temperature
- the adhesion is highly resistant against ageing.

Properties of the Adhesive

- SR-AP/49 is a single component adhesive of medium viscosity, which bonds on the basis of diffusion and reaction
- The adhesive may only be used for non-food applications
- Solvent: methyl formate
- the adhesive has a high yield (thickness of the adhesive film at nm-level)
- the sheets don't become brittle
- contains no CFC's
- open time: depending on surrounding conditions: approx. 1-2 min (application-specific adjustments can be made)
- medium viscosity.



Application Directions

- The surfaces to be bonded must be dry, free of dust, grease and silicone and must be bonded at room temperature without any additional heating
- the adhesive is applied thinly to one of the surfaces to be bonded
- in order to attain high levels of strength, as great a pressure as possible should be applied to the glued surfaces for a short time
- the adhesive can be applied by bonding devices of existing machinery
- recommended methods of application: spraying, brushing (no felt), glueing wheel
- the containers as well as all other machine parts coming into contact with the adhesive must be absolutely clean and in no way contaminated by other adhesives, solvents or similar materials
- no other solvents or additives must be added to the adhesive
- ageing tests of the bondings must be carried out by the client due to the many PET sorts on the market
- see the Safety Data Sheet for all other technical details, processing directions and safety precautions
- to achieve the best surface characteristics such as minimal friction, good flow values, avoiding dust attraction by static loading etc. we recommend that sheeting be used which has been coated with our anti-static/anti blocking agent MECOSTAT[®]-3

Cleaning

- Adhesive stuck to tools can be eliminated by applying MECO-Cleaning Agent LR-10 or Acetone

Storage

- The adhesive should be stored in a dark and cool place in the original drums, but not be exposed to frost
- SR-AP/49 can be stored in its original drums for approx. 6 months.

Service

Our Applications Technology Service is at your assistance for any further information you may need.

The above details are based on our present knowledge and experience and do not purport to guarantee any specific characteristics.

Due to different materials and working conditions beyond our control, we recommend that a trial be made in each case and that our technicians be consulted. A warranty cannot be implied from these directions.

Marking and Dangerous Goods Classification

See our Safety Data Sheets