

A148

PERMANENT TEXTILE LABELS

Description

Altec label tapes are multi layered polyurethane-textile tapes. The polyurethane toplayer is designed for thermal transfer printing and the bottom layer is a thermoplastic polyurethane heat sealable adhesive. In between these layers the product consists of high quality textile. A148 is applied with an extra added pressure sensitive adhesive layer to enable easier positioning before heat sealing the labels permanently.

Application

A148 labels are thermal transfer printable media, developed for all industrial laundry applications.

Properties

- Wash resistant up to 95 °C industrial laundry washing.
- High heat sealing temperatures.
- Suitable for all textiles which allow the thermoplastic adhesive to penetrate and bind itself to it and which are resistant to its application temperatures.

Physical properties

A148 is supplied as continuous for thermal transfer printers with a cutting device or pre-cut to size. Standard colour of the tape is white and the ink ribbon black.

Total thickness 0,28 - 0,35 mm

Weight 440 g/m² (+/- 10%)

- 26 % textile (+/- 10%)
- 25 % adhesive (+/- 10%)
- 5 % printable toplayer (+/- 10%)
- 24% PSA (pressure sensitive adhesive, +/- 10%)
- 20% paper

Before heat sealing

Ensure that the to be marked textile is free of lint, dust, dirt and no seams, zipper, buttons etc. are near the place where the heat sealing will be performed.

Remark:

- Good bonding can be prevented in pre-conditioned fabrics with a dirt or water repellant or flame retardant treatment or coating.
- Pre-sealing can amend problems with adhesion on certain repellant or flameretardant coated textiles.
- Re-sealing can amend problems with adhesion on certain repellant or flameretardant treated textiles.

Heat sealing instructions

Heat seal A148 at 204 °C at 14 seconds at firm pressure on a pneumatic heat seal machine (0,5 kg/cm² i.e. 3 - 5 bar setting on the machine in most cases) or firm - strong pressure on a manually operated heat seal machine. A148 can be heat sealed longer when adhesion problems are experienced, up to 16 seconds at the same temperature and pressure settings.

Remark:

- Self adhesive products can be difficult to heat seal on thin types of textiles where the self adhesive glue then acts as a barrier. This can be solved by putting a thicker piece of textile underneath the garment which allows the self adhesive to flow through the garment. Any stains will be gone after washing.
- Make sure that the sealing plate of the machine is clean and undamaged.
- Close the heat seal press with the set temperature, time and pressure.
- Remove the garment from the machine after the heat sealing cycle is finished.
- Place the next article and repeat above.

Handling and storage

Keep away from oxidizing agents, from strongly alkaline en strongly acid materials. Store out of direct sunlight, in a cool and dry place.

Precautions

No specific safety measures are required when working with this product. We advise to ventilate well at heat sealing activities, since vapours may occur from any material such as textiles being processed.

Exposure controls / personal protection

Technical measures:

Ensure a sufficient amount of fresh air when there is a risk of release of fumes, for instance when heating the product.

Personal protection equipment

For the hands: None / For the eyes: None / For the skin: None / For breathing: None

Hazard identification

Hazard designation:

The product has not been subjected to classification following the European legislation.

Special hazards designation for humans and environment: Not applicable

Certificates

REACH

Please contact Altec for the latest REACH document available.

RoHS

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