TagTrack 7015

TagTracks

Heat-Sealing Instructions

Heat-Sealing tips

- In order to achieve the best possible sealing results, the correct setting of all parameters is essential.
- The aim of heat-sealing RFID laundry tags is to ensure that the tags remain securely attached to the garment throughout its service life and withstand even demanding industrial laundry processes.
- Heat-sealing also enables easy application using a pneumatic or manual heat-sealing machine.

Technical Advice

- The recommended temperature setting for heat-sealing the transponder patch is **204°C**. The temperature setting is critical because the adhesive must become fluid within a reasonable time frame.
- The recommended time setting is **12 seconds**. This is critical because the fluid adhesive needs sufficient time to flow into the textile.
- The recommended pressure setting is also crucial. The adhesive must be pressed into the textile material to achieve the best possible adhesion. The recommended inter-plate pressure is **0.5 kg/cm²**, which usually corresponds to 4–5 bar of input air pressure on a pneumatic heat-sealing press. Please note that the conversion between input air pressure and inter-plate pressure depends on the specific heat-sealing press, so the machine manual should always be checked.

Notice

- Heat-sealing should be performed on clean and dry items. Heat-sealing on soiled or wet items can be done only if the area to be marked is first dried under the heat-sealing press until all moisture has evaporated. After this, the label can be positioned and heat-sealed according to the recommended instructions. This method may lead to the fixation of dirt or other undesired substances into the textile.
- Barrier textiles require special attention. An additional pre-heating cycle of 7–10 seconds can help prevent adhesion issues.
- Position the transponder patch immediately after pre-heating and seal it into place.