



Steam Indicator Tape

Reliable Indication. Confident Sterilization. · SKU KD-IT-ST

Type 1 process indicator tape for steam sterilization. Adheres firmly to paper, non-woven, SMS and pouches; the yellow diagonal indicator lines turn dark brown/black after exposure to saturated steam.

Kangde Med Steam Indicator Tape is a Type 1 process indicator used to close packs and to show at a glance that a pack has been through a steam sterilization cycle. The heat-sensitive ink changes from light yellow to dark brown/black after exposure to saturated steam, giving a clear and permanent visual record that distinguishes processed items from unprocessed ones.

The crepe-paper backing stretches slightly to conform to wrapped trays and pouches, holds firmly through pre-vacuum and gravity cycles, and peels away cleanly afterwards without leaving sticky residue on the wrap. It can be torn by hand and written on with a marker for load identification.



Specifications

Product Name	Steam Indicator Tape
Indicator Type	ISO 11140-1 Type 1 process indicator
Width Options	12 mm, 19 mm, 25 mm (custom widths available)
Length Options	50 m standard (55 m / 100 m on request)
Base Material	High-strength medical-grade crepe paper
Sterilization Method	Steam (moist heat): 121 °C / 20 min or 132-134 °C / 4-6 min
Indicator Ink	Lead-free chemical indicator, non-toxic; changes from light yellow to dark brown/black
Adhesion	Strong initial tack, secure during the cycle, clean removal without residue
Compliance	ISO 11140-1 Type 1, manufactured under ISO 13485; CE
Shelf Life	3 years from date of manufacture (unopened)
Storage Conditions	Cool, dry place away from direct sunlight (5-30 °C, < 70 % RH)
Carton Packing	12 mm: 480 rolls/ctn · 19 mm: 360 rolls/ctn · 25 mm: 240 rolls/ctn

Features

Clear colour change · Strong adhesion · Easy tear by hand · Clean removal · Hospitals & labs

How to use

- Cut the required length and apply across the closure of the wrapped pack or pouch.
- Process in a steam autoclave at 121 °C for 20 minutes, or in a pre-vacuum sterilizer at 132-134 °C for 4-6 minutes.
- After the cycle, confirm that the indicator lines have changed from yellow to dark brown/black. If the change is incomplete, treat the pack as unprocessed.

Applications



Central sterile supply departments, operating theatres, dental and veterinary clinics, microbiology and research laboratories, pharmaceutical and cosmetics manufacturers — anywhere steam sterilization is performed.

Packaging & shipping

Width	Length	Rolls / carton	Carton size (mm)
12 mm	50 m	480	420 × 320 × 260
19 mm	50 m	360	420 × 320 × 260
25 mm	50 m	240	420 × 320 × 260

Compliance

ISO 13485, ISO 11140, CE. Manufactured under an ISO 13485 quality management system. Certificates and test reports available on request.

FAQ

Does steam indicator tape confirm that a pack is sterile?

No. Indicator tape is a Type 1 process indicator: it shows the pack has been exposed to the sterilization process, so that processed and unprocessed items are not mixed up. Sterility assurance comes from validated cycles, internal indicators (Type 4/5/6) and biological indicators.

What colour change should I expect?

The diagonal indicator lines change from light yellow to a uniform dark brown/black. A partial or streaky change indicates inadequate steam exposure and the pack should be reprocessed.

Can the tape be used in gravity and pre-vacuum cycles?

Yes. The tape responds in gravity-displacement cycles (121 °C / 20 min) and in pre-vacuum cycles (132–134 °C / 4–6 min).

How long can the tape be stored?

Unopened rolls have a 3-year shelf life when stored between 5 °C and 30 °C, below 70 % relative humidity and away from direct sunlight.

Do you provide custom widths or private labelling?

Yes. Custom widths, lengths, core sizes and printed brand labels are available for OEM/ODM customers.

Request a quotation: <https://kangdemed.com/request-quote?product=steam-indicator-tape> · Jason.wangxiaokang@gmail.com · WhatsApp +86 199 5663 5178