

EO CHEX™

ETHYLENE OXIDE INDICATOR TAPE

26811500 & 26811600

Instructions for Use

EO Chex™ Indicator Tape is a pressure-sensitive tape with Ethylene Oxide (EO) process indicator suitable for use in securing sterilization packaging materials, including fabric or nonwoven wraps, and pouches for EO processing. It can also be applied on plastic and metal surfaces. Convenient 3-inch diameter core fits most tape dispensers. The tape surface is suitable for writing on with pens, pencils, and markers. The ink will not bleed or fade in typical EO cycles.

EO Chex indicator is an Ethylene Oxide indicator which was designed to display a distinct color change after exposure to EO sterilization. The indicator consists of EO-sensitive chemical ink printed on one surface of tape. The chemical ink will change color from pink to orange-brown during EO sterilization exposure. EO Chex™ Indicator Tape demonstrates that the packs have been exposed to an EO gas sterilization process, and to distinguish between processed and unprocessed packs. The endpoint color is stable after exposure for 6 months and will not revert under specified storage conditions, although some minor fading or shadowing may occur which does not affect the result interpretation. The adhesive is stable after sterilization for 6 months and maintains a strong bond to the packaging materials. It allows sterilized packages to be stored under specified conditions for 6 months.

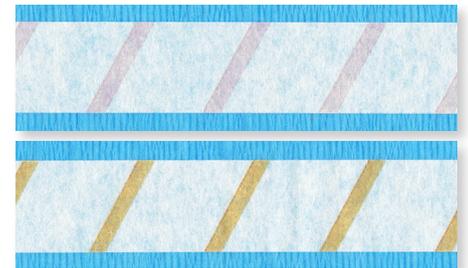
Sterilization parameters necessary to change color of the indicator are the following: concentration of Ethylene Oxide, humidity level, exposure temperature, and time of exposure.

EO Chex™ Indicator Tape conforms to the requirements of ISO 11140-1:2014, Type 1 with the following stated values:

54°C, 600mg/L EO, 20 min, 60% RH
 37°C, 600mg/L EO, 25 min, 60% RH

The indicator is suitable for the following typical cycles used in healthcare:

Temperature °C	EO Concentration	RH %	Exposure Time
38°C	736 mg/L	40-80	4.5 hours
38°C	759 mg/L	40-80	4.5 hours
54°C	600 mg/L	40-60	45 min or longer
55°C	736 mg/L	40-60	1 hour
55°C	759 mg/L	40-60	1 hour



This product contains Dry Natural Rubber

How to use EO Chex™ Indicator Tape and interpret the results

Place tape on the external surface of a package and press gently along the entire length to secure the pack. The pink lines on the tape are sterilization process indicators. The indicator color change from pink to orange-brown indicates exposure to EO process, but not necessarily adequate sterilization parameters inside the pack. The indicator color change allows to distinguish between processed and unprocessed packs. Tear the tape at the opening point of the pack to open the pack.

Failure of the indicator to achieve orange-brown color means one of the following: the package was not sterilized; the package was sterilized in a wrong process (Steam, VHP, Dry Heat); substantially inadequate exposure to one or more of the critical process variables. The failure must be reported to the supervisor. Hospital protocol for reprocessing loads must be observed.

EO Chex™ Indicator Tape disposal should be in accordance with existing laws and regulations for disposal of non-hazardous chemical waste.

Shelf-Life and Storage Conditions

- Shelf-Life: 24 months
- Storage Conditions before use: RH: <60%, protect from light and moisture. Temperature 25°C/77°F or less;
- Record Keeping: EO Chex™ Indicator Tape has stable color change and can be stored for record keeping after processing. Excessive humidity or exposure to light may cause color degradation.

-  Protect From Light
-  Keep Dry
-  Do Not Reuse



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