

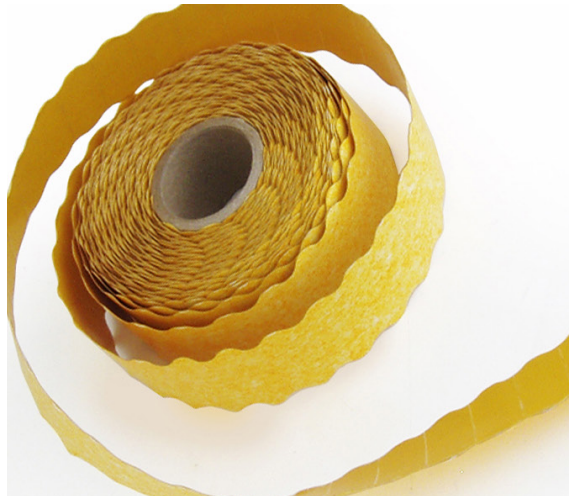
ACA 60-Series

Sterilization Indicators / Gamma Radiation Sensitive Labels

Specialty

SPECIALTY
PRODUCT

PRODUCT DESCRIPTION—ACA 60-series radiation sterilization indicators change color on exposure to gamma radiation. The indicator ink is applied to a specially designed pressure sensitive label stock that may be die cut, printed or slit into rolls per the customer's requirements. Application may be done by peeling individual labels from rolls or with a METO® gun.



Color fast inks may be printed over the indicating ink so a message such as "RED IS EXPOSED" can be read. The indicators are used for inventory control purposes – they are not dosimeters.

Recommended reading to more fully understand the values and limits of gamma sterilization of foods is provided in great detail by the book: *Irradiation of Food and Packaging*, ACS symposium series 875, edited by V. Komolprasert and K. Morehouse.

ACA 60-135 changes color from yellow to orange when exposed to 9 kGy of gamma radiation.

ACA 60-140 changes color from yellow to red when exposed to 25 kGy of gamma radiation.

TYPICAL USE — Inventory control batch process indicators. The 9 kGy indicators are designed to be used for red meats or spices. Irradiation of these food products is now allowed by the FDA or USDA. The benefits of irradiation include slowing of spoilage, elimination of microbiological organisms, and bacteria, resulting in the reduction of consumer risk of illness or death.

The 25 kGy indicators are used as an inventory control indicator for the sterilization of medical devices.

ACA-60 series radiation sterilization indicators are for use in inventory control applications. They are not dosimeters. The indicators have an ultraviolet light (UV) barrier coating and have a shelf life of two years from date of manufacture date when stored in a dark, cool and dry environment. The indicators are manufactured in conformance with ISO 11140-1 Section 6 for Class 1 process indicators.

NON-WARRANTY NOTICE—Our recommendations, if any, for use of this product are based on tests believed to be reliable. The greatest care is exercised in the selection of our materials and in our manufacturing operations. We make no recommendation to use this product in any manner which conflicts with existing laws and/or patents and WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS PRODUCT OR ITS USE, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. THE MANUFACTURER IS NOT LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES OF ANY KIND.

