PRODUCT INFORMATION
TUBULAR FOIL

Tubular Foil for the Waste Sealing Unit BERNER SealSafe®

Scope and Features

+ **Scope**: The tubular foil is designed for aerosol vacuum sealing[1)] of toxic and infectious waste with the above-named waste sealing units. It can be used to seal waste, which is e.g. contaminated (low to high contamination) with cytostatics (drug residuals, swabs, prep mats, gloves, protective equipment, cleaning cloths etc.) The yellow tubular foil has been specially design for handling biological waste.
+ **Properties**: This 3-layer polyethylene tubular foil is highly tear-proof, tensile and weldable. The material is highly flexible and water-vapour-proof.
+ **Restrictions**: Do not dispose pointed or sharp objects. Do not seal materials that can change/deteriorate the material properties. The tubular foil is not autoclavable. If necessary consult Berner International GmbH.

[1)]: Subject to an accurate sealing process and the use of an intact tubular foil.

Specifications

Order Number	1000	1001	1002
Version	non-sterile	sterile	non-sterile
Colour	transparent	transparent	yellow*
Packaging (per box)	5	3	5

*for microbiological applications

Material Properties

Material	Polyethylene acc. to special recipe
Thickness	approx. 27 µm
Length	approx. 32 m each tubular foil
Width	approx. 570 mm
Colour	Transparent / yellow
Length rest at marker	approx. 100 – 150 cm

Mechanical Properties[1)]

Max. puncture resistance [g]	240

[1)]: acc. ASTM D-1709

Disposal

Disposal in accordance with 2000/532/EC: waste requiring supervision[1)] (waste code: 18 01 04); in the event of heavy contamination, waste requiring special supervision[2)] (waste code: 18 01 08*3) and waste code.

18 01 03*4)); collect and dispose of waste separately! If air supply is adequate and burning temperature is sufficiently high enough, polyethylene has a high heating value and is transformed completely into carbon dioxide (CO_2) and water (H_2O).

1): When contaminated material is sealed within the tubular foil.
2): Any waste marked with an asterisk (*) is considered as a hazardous waste pursuant to Article 1(4), first indent, of Directive 91/689/EEC on hazardous waste.
3): Cytotoxic and cytostatic medicines.
4): Waste whose collection and disposal is subject to special requirements in view of the prevention of infection.

Protection from Chemical Hazards

Permeation[1)] tested in accordance with EN ISO 6529 (10.01).

Breakthrough times[2)] [min] / performance classes (1-6) were established for the following chemicals:

Chemical	Breakthrough time [min]	Performance class
Carmustine	10.080 min = 168 h = 7 days	6
Thiotepa	10.080 min = 168 h = 7 days	6

1): Movement of a chemical through a material on a molecular level. 2): At a permeation rate of 1µg/min cm²

Quality Management System

Our **quality management system** is **tested and certified** by TÜV Süd Management Service GmbH (certification body accredited by the German Accreditation Council) in accordance with DIN EN ISO 9001:2008. Regular **audits and production site inspections** guarantee the quality of our products.

Storage Conditions

+ Dark (protect from direct UV light and sunlight)
+ Protect from heat and radiation
+ Dry (relative humidity 30% - 60%)
+ No contact with pointed and/or sharp objects

Shelf Life

+ Non-sterile: 5 years from the date of manufacture
+ Sterile: 3 years from the date of manufacture

Manufacturer / Distributor

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