

Tubular Foil for the Waste Sealing Unit
BERNER SealSafe® and BERNER Pacto Safe®



Area of Application and Features

Area of application: The tubular foil is designed for aerosol vacuum sealing¹⁾ 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.)

Features: This 3-layer polyethylene tubular foil is highly tearproof, 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 with BERNER INTERNATIONAL GMBH.

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

Specifications

	Item no.	Packaging
Unsterile	1000	5 pieces per box
Sterile	1001	3 pieces per box



Disposal

Disposal in accordance with 2000/532/EC: waste requiring supervision¹⁾ (waste code: 18 01 04); in the event of heavy contamination, waste requiring special supervision²⁾ (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 (CO₂) and water (H₂O).

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




Permeation¹⁾ tested in accordance with EN ISO 6529 (10.01).

Breakthrough times²⁾ [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 1 µg/min cm²

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
Length rest at marker	Approx. 100 – 150 cm
Mechanical Properties¹⁾	
Max. puncture resistance [g]	240
¹⁾ : acc. ASTM D-1709	
	Quality Management System
<p>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.</p>	
	Storage Conditions
<ul style="list-style-type: none"> ▪ Dark (protect from direct UV light and sunlight) ▪ Protect from heat and radiation ▪ Dry ▪ No contact with pointed and/or sharp objects 	
	Shelf Life
<ul style="list-style-type: none"> ▪ Unsterile: 5 years from the date of manufacture ▪ Sterile: 3 years from the date of manufacture 	