

# KEOFITT® ASEPTIC SAMPLING BAG™ 500 ML (PAT.PEND.)

DATASHEET 120500

## GENERAL



The Keofitt Aseptic Sampling Bag is a sterile, pre-irradiated product supplied in a sealed PE-bag. The product is to be removed from its sterile bag immediately before use.

The sterile condition enables the user to extract a truly representative aseptic sample from a liquid process line sampling point in a convenient way.

The Keofitt Aseptic Sampling Bag is the ultimate sampling bag solution based on Keofitt's renowned high quality and ultra hygienic sampling valve design.

The unique design allows the connection between the sampling valve and the sampling bag to be steam sterilised in place.



The Aseptic Sampling Bag is intended for collecting and easy storage of samples from true aseptic samples for microbiological and chemical analysis.



The Aseptic Sampling Bag is a single use product.

The product to be sampled should have a maximum viscosity of 1000 cP and should not contain particles larger than 3 mm in diameter.

## FEATURES

- SIP test report available
- Single Use product
- Pre-irradiated in sealed bag
- 3-way valve for steam-sterilizing before sampling
- Heat-indicator available as accessory
- Keofitt W9 quick connect (mini sanitary clamp connection also available)
- Pinch clamp to seal sample in bag
- Luer lock and septum for injection and sampling

## TECHNICAL DATA

### STEAMING (SIP):

- Max. 1,5 bar(g) / 21,5 psi(g)

### SAMPLING/FILLING:

Bag is not designed for pressurized sampling.

Fill bag without pressure and do **NOT** fill bag beyond nominal volume!

### SAMPLE TEMPERATURE:

- 2° - 60°C / 35° - 140°F

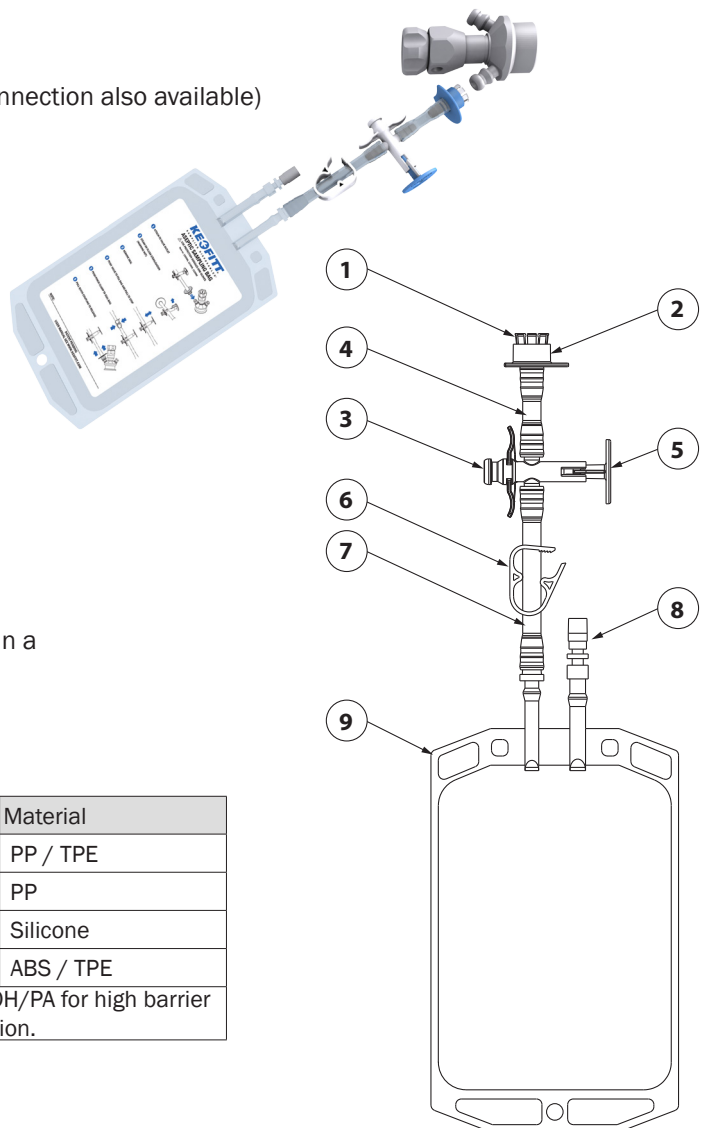
### SAMPLE STORAGE:

- Sampling bags can be stored in freezer provided it is placed in a suitable supporting tray. Min. temperature -30°C / -22°F

### NET WEIGHT

- Kg/lb 0,02 / 0,04

Pos.	Part Name	Material	Pos.	Part Name	Material
1	Tube fitting	PC	5	3-way valve piston	PP / TPE
2	Quick coupling ring	PP	6	Pinch Clamp	PP
3	3-way valve house	PC	7	Tube	Silicone
4	Tube	Silicone	8	Luer Lock	ABS / TPE
9	Sampling Bag	178 µm co-extruded laminated LLDPE/EVOH/PA for high barrier properties. See page 2 for further information.			



## FILM CHARACTERISTICS

### PL-01077 POLYETHYLENE SINGLE USE CONTAINER

PL-01077 is a 5 layer 7 mil/ 178 µm co-extrusion film which provides barrier and durability. Utilized on smaller bag sizes up to 1 Liter it maintains comparable, extra values to larger PE bags.



PL-01077	mil	µm
■ LLDPE	3.4	87
■ Tie	0.7	18
■ EVOH	0.6	15
■ Tie	1.3	33
■ Nylon	1.0	25

#### BIOCOMPATIBILITY

USP Acute Systemic Injection Test	Pass	USP <88>
USP Intracutaneous Injection Test	Pass	USP <88>
USP Intramuscular Implantation Test	Pass	USP <88>
USP MEM Elution Method	Non Cytotoxic	USP <87>
Physiochemical Test for Plastics	Pass	USP <661>

#### PHYSICAL DATA

Water Vapor Transmission Rate (g/100in <sup>2</sup> /24hrs)	0.044	ASTM F-1249
Carbon Dioxide Transmission Rate (cc/100in <sup>2</sup> /24hrs)	0.145	ASTM F-2476
Oxygen Transmission Rate (cc/100in <sup>2</sup> /24hrs)	0.278	ASTM D-3985

	Average Force	Average MOE	Average Elongation	
Tensile	13.98 kg	3565 bar	611%	ASTM D 882-02
	30.79 lbs	51670 psi		
Tear Resistance	Min force	Average Force	Max Force	ASTM D1004-07
	2.21 kg	2.36 kg	2.47 kg	
	4.86 lbs	5.20 lbs	5.45 lbs	
Puncture Resistance	6.31 kg	6.94 kg	7.77 kg	FTMS 101C
	13.89 lbs	15.29 lbs	17.12 lbs	

This film is Class VI, non-animal origin, and is supported by a complete testing/documentation package.