

## SELF-SEALING BREATHER BAGS with INDICATORS

### Description:

STERIS' Breather Bags with Indicators are made from DuPont Tyvek® and a polyester-based flexible film. Designed to be autoclaved, each bag includes a steam process indicator. The bags are lint-free, moisture resistant, puncture resistant and extremely durable. The Tyvek® side offers high breathability while providing an effective microbial barrier. The clear film side offers excellent viewing combined with strength and durability. These bags feature an adhesive strip for convenient self-sealing. When opened, minimal airborne particulate is generated.

### Specifications:

#### POLYESTER-BASED FLEXIBLE FILM SIDE

PHYSICAL PROPERTIES		
Material – Proprietary lamination of polyester and polyolefin film bonded with a thermoset adhesive.		
Gauge	2.6 mil 65.0 microns	
Yield	10,500 sq. in. / lb. 15.0 sq. m / Kg	
STRENGTH PROPERTIES – (MD signifies machine direction; CD signifies cross direction.)		
Tensile at Break (MD   CD)	50   59	N / sq. mm
Impact Strength	450	g
Tear Strength	12   17	N / sample
Burst Strength	210	KN / sq. m
THERMAL PROPERTIES		
Stability – Will remain stable through steam cycles at a maximum temperature of 260°F or 127°C.		

#### TYVEK® SIDE

PHYSICAL PROPERTIES		
Material – TYVEK® (Spunbonded Olefin) Type 1073-B Merge 18025. Adhesive self-sealing strip.		
Basis Weight	2.2	oz. / sq. yd
Thickness	8	mil
STRENGTH PROPERTIES – (MD signifies machine direction; CD signifies cross direction.)		
Strip Tensile (MD   CD)	52   45	lbs. / in.
Elongation to Break (MD   CD)	25   28	%.
Elmendorf Tear (MD   CD)	0.82   0.84	lbs.
Mullen Burst	178.0	in.-lbs. / sq. in.
Spencer Puncture	50.0	in.-lbs. / sq. in.
THERMAL PROPERTIES		
Stability – Will remain stable through steam cycles at a maximum temperature of 260°F or 127°C.		

<b>BARRIER PROPERTIES</b>	
Hydrostatic Head	62 in. H <sup>2</sup> O
Microbial Barrier (per ASTM F1608-95 for microbial ranking of various materials) – LRV of 5.3 verses LRV of 1.9 for an autoclave paper pouch. (The higher the log reduction value (LRV) the more resistant the package is to bacteria and micro-organisms. A log difference of 3 signifies a difference of 1,000 units.)	

NOTE: Microbial Barrier must be validated for individual Users' processes.

## Specifications (continued):

### ADHESIVE SELF-SEALING STRIP

<b>DESCRIPTION</b>
256M acrylic adhesive double coated to PET film with 60# semi bleach silicone treated densified kraft paper.

### SEAL

<b>STRENGTH PROPERTIES</b>	
Seal Strength	> 1.5 lbs. / in.

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## Specifications (continued):

### STEAM STERILIZATION PROCESS INDICATOR

<b>DESCRIPTION</b>
Lead-free, round indicator labels. Designed for use in steam autoclaves operating at 121 °C / 1 bar or 134 °C / 2 bar. During the steam sterilization process the indicator changes from pink to dark brown. Manufactured in compliance with ISO 11140-1 "Sterilization of health care products – Part 1: General requirements, Section 4.1 and 6", and in compliance with NEN-EN 867-2 "Non-biological systems for use in sterilizers – PART 2: PROCESS INDICATORS (Class A)".

NOTE: Steam sterilization process indicators should not be used as a substitute for proper dosimetry, but rather to distinguish steam exposed products from non-exposed products.

# BREATHER BAGS, SELF-SEAL with INDICATORS

**OUTER DIMENSIONS** (Note: all dimensions are +/- 0.125")

Reorder No.	Width	Length*
00206TWBSSSD	2"	6.5"
00209TWBSSSD	2"	9.5"
00306TWBSSSD	3"	6"
X0308TWBSSSD	3"	8"
00308TWBSSSD	3.5"	8"
00415TWBSSSD	4"	15"
00415TWBB04SSSD	4"	4"
00422TWBSSSD	4"	22"
00510TWBSSSD	5"	10"
00608TWBSSSD	6.125"	8"
00612TWBSSSD	6"	12"
00628TWBSSSD	6"	28"
00632TWBSSSD	6"	32"
00713TWBSSSD	7"	13"
00810TWBSSSD	8"	10"
00815TWBSSSD	8.125"	15"
00818TWBSSSD	8"	18"
00834TWBSSSD	8"	34"
01011TWBSSSD	10"	11"
01020TWBSSSD	10.125"	20"
01214TWBSSSD	12"	14"
01217TWBSSSD	12"	17"
01424TWBSSSD	14"	24"
01520TWBSSSD	15"	20"
01617TWBSSSD	16"	17"
01626TWBSSSD	16"	26"
01632TWBSSSD	16"	32"
01635TWBSSSD	16"	35.25"
01822TWBSSSD	18"	22"
02426TWBSSSD	24"	26"
02430TWBSSSD	24"	30"
02435TWBSSSD	24"	35"

\* Note: Length is from the top of the bag to the perforation. Add 1" for total unsealed bag length.

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