

## STOPPER BAGS with INDICATORS

### Description:

STERIS Stopper Bags are made from DuPont Tyvek® and a polyethylene/HDPE flexible film. This combination of materials yields superior seal strength for stoppers and other critical items. Designed to be autoclaved, these 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 clarity combined with strength and durability. Stopper Bags are used in gas or steam sterilizers and can also be irradiated. These bags are heat sealed, using a conventional end sealer, or taped closed.

### Specifications:

#### POLYETHYLENE/HDPE FLEXIBLE FILM SIDE

PHYSICAL PROPERTIES		
Material – High Density Polyethylene film		
Gauge	3.0 mil 76.2 microns	
Yield	9,712 sq. in. / lb. 13.8 sq. m / Kg	
STRENGTH PROPERTIES – (MD signifies machine direction; CD signifies cross direction.)		
Tensile Strength (MD   CD)	3,776   4,399	psi
2% Secant Modulus (MD   CD)	10,856   11,675	psi
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		
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.		
BARRIER PROPERTIES		
Hydrostatic Head	62	in. H <sub>2</sub> 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.

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## Specifications (continued):

### OUTER DIMENSIONS (Note: all dimensions are +/- 0.25")

Reorder No.	Width	Length
0304SBSD	3"	4"
0306SBSD	3"	6"
0409SBSD	4"	9"
0422SBSD	4"	22"
0508SBSD	5"	8"
0610SBSD	6"	10"
0630SBSD	6"	30"
0812SBSD	8"	12"
1035SBSD	10"	35"
1212SBSD	12"	12"
1215SBSD	12"	15"
1219SBSD	13.125"	20.875"
1238SBSD	12"	38"
1318SBSD	13"	18"
1414SBSD	14"	14"
1518SBSD	15.75"	19.685"
1616SBSD	16"	16"
1628SBSD	16"	28"
1632SBSD	16"	32"
1824SBSD	18"	24"
1920SBSD	20.125"	21.875"
2216SBSD	22"	16"
2022SBSD	21.625"	24.3125"
2026SBSD	21.125"	27.875"
2436SBSD	24"	36"
2848SBSD	28"	48"

## SEAL

STRENGTH PROPERTIES	
Seal Strength	> 3.8 lb./in.

## STEAM STERILIZATION PROCESS INDICATOR

DESCRIPTION
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.

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.

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