

SINCE 1925

# KEYSTONE

SAFETY ↔ CLEANROOM PRODUCTS

## PURECLEAN™ 1421B TYVEK® AUTOCLAVE BAG WITH STEAM INDICATOR



PureClean™ Autoclave Bags are made from 1421B DuPont™ Tyvek®, which is a new grade of uncoated, untreated, flexible Tyvek® material. It has been specifically designed for pharmaceutical use in steam sterilization applications.

Keystone's PureClean™ Tyvek® material does not have a water soluble antistat agent applied to it during its manufacturing process.

- Uncoated Tyvek® on both sides for maximum breathability during sterilization without the chance of residue deposits on equipment, post sterilization
- Eliminates the need to cut material and the use of autoclave tape
- Fast and consistent for equipment preparation area
- Strong, sealed seams eliminate sewing threads and greatly reduce particulates
- Resists tearing and punctures
- Superior microbial barrier
- Manufactured and packaged in a certified ISO 6 cleanroom
- Made in the USA
- Certificates of Conformance sent with shipment

### MATERIAL SPECIFICATIONS:

Property	Comparable standard test method	Units	Nominal value (range) Tyvek® 1421B
<b>Preliminary product specifications (English units)</b>			
Basis weight	ASTM D3776 <sup>1</sup>	oz/yd <sup>2</sup>	1.22 [1.16–1.26]
Delamination	ASTMD2724 <sup>2</sup>	lb <sub>f</sub>	0.08 [>0.03]
Gurley Hill porosity	TAPPI T460 <sup>3</sup>	sec/100 cc	20 [8–36]
<b>Preliminary product specifications (metric units)</b>			
Basis weight	ASTM D3776 <sup>1</sup>	g/m <sup>2</sup>	41 [39–43]
Delamination	ASTMD2724 <sup>2</sup>	N	0.36 [>0.13]
Gurley Hill porosity	TAPPI T460 <sup>3</sup>	sec/100 cc	20 [8–36]

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Property (Continued)	Comparable standard test method	Units	Typical value Tyvek® 1421B
<b>Preliminary miscellaneous properties (English units)</b>			
Thickness	EN ISO 534 <sup>1</sup>	mils	6 (0.15mm)
Tensile strength, MD	EN ISO 1924-2 <sup>2</sup>	lb <sub>f</sub> /in	7.6
Tensile strength, CD	EN ISO 1924-2 <sup>2</sup>	lb <sub>f</sub> /in	6.4
Elmendorf tear, MD	ASTM D1424	lb <sub>f</sub>	2.4
Elmendorf tear, CD	ASTM D1424	lb <sub>f</sub>	1.9
Hydrostatic head	AATCC TM 127 <sup>3</sup>	in H <sub>2</sub> O	44
Elongation, MD	EN ISO 1924-2 <sup>2</sup>	%	10
Elongation, CD	EN ISO 1924-2 <sup>2</sup>	%	15
Puncture resistance	EN 863 <sup>4</sup>	lb <sub>f</sub>	2.7
Mullen burst	ISO 2758	psi	53
Bendsten air permeability	ISO 5636-3 <sup>5</sup>	mL/min	741
Microbial barrier	ASTM F1608	LRV	~4

MD = machine direction; CD = cross direction

1. Surface 2 cm<sup>2</sup>, pressure 50kPa.

2. Modified for speed, sample width 2.54 cm (1 inch).

3. Rate of use: 60 cm H<sub>2</sub>O/min.

4. Modified for conditioning.

5. Electronic device.

Property	Comparable standard test method	Units	Typical value Tyvek® 1421B
<b>Preliminary miscellaneous properties (metric units)</b>			
Thickness	EN ISO 534 <sup>1</sup>	µm	152
Tensile strength, MD	EN ISO 1924-2 <sup>2</sup>	N	34
Tensile strength, CD	EN ISO 1924-2 <sup>2</sup>	N	28
Elmendorf tear, MD	ASTMD1424	N	10.6
Elmendorf tear, CD	ASTMD1424	N	8.5
Hydrostatic head	AATCC TM 127 <sup>3</sup>	cm H <sub>2</sub> O	112
Elongation, MD	EN ISO 1924-2 <sup>2</sup>	%	10
Elongation, CD	EN ISO 1924-2 <sup>2</sup>	%	15
Puncture resistance	EN 863 <sup>4</sup>	N	12
Mullen burst	ISO 2758	kPa	365
Bendsten air permeability	ISO 5636-3 <sup>5</sup>	mL/min	741
Microbial barrier	ASTM F1608	LRV	~4

MD = machine direction; CD = cross direction

1. Surface 2 cm<sup>2</sup>, pressure 50kPa.

2. Modified for speed, sample width 2.54 cm (1 inch).

3. Rate of use: 60 cm H<sub>2</sub>O/min.

4. Modified for conditioning.

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# PURECLEAN™ 1421B TYVEK® AUTOCLAVE BAG WITH STEAM INDICATOR



KEYSTONE PART NUMBER	DIMENSIONS	KEYSTONE PART NUMBER	DIMENSIONS
6STK0205	5.08 cm x 12.7 cm	6STK1624	40.64 cm x 60.96 cm
6STK0404	10.16 cm x 10.16 cm	6STK1830	45.72 cm x 76.2 cm
6STK0409	10.16 cm x 22.86 cm	6STK2020	50.8 cm x 50.8 cm
6STK0416	10.16 cm x 40.64 cm	6STK2024	50.8 cm x 60.96 cm
6STK0820	20.32 cm x 50.8 cm	6STK2030	50.8 cm x 76.2 cm
6STK09-512	24.13 cm x 30.48 cm	6STK2040	50.8 cm x 101.6 cm
6STK1015	25.4 cm x 38.1	6STK2224	55.88 cm x 60.96 cm
6STK1020	25.4 cm x 50.8 cm	6STK2424	60.96 cm x 60.96 cm
6STK1212	30.48 cm x 30.48 cm	6STK2436	60.96 cm x 91.44 cm
6STK1216	30.48 cm x 40.64 cm	6STK2448	60.96 cm x 121.92 cm
6STK1218	30.48 cm x 45.72 cm	6STK2844	71.12 cm x 111.76 cm
6STK1234	30.48 cm x 86.36 cm	6STK3036	76.2 cm x 91.44 cm
6STK1240	30.48 cm x 101.6 cm	6STK3636	91.44 cm x 91.44 cm
6STK1246	30.48 cm x 116.84 cm	6STK3648	91.44 cm x 121.92
6STK1248	30.48 cm x 121.92 cm	6STK3660	91.44 cm x 152.4 cm
6STK1424	35.56 cm x 60.96 cm	6STK4848	121.92 cm x 121.92 cm