

SINCE 1925

KEYSTONE

SAFETY ↔ CLEANROOM PRODUCTS

PURECLEAN™ 1421B TYVEK® AUTOCLAVABLE WRAPPERS



PureClean™ Autoclavable Wrappers are made from 1421B DuPont™ Tyvek®, which is a new grade of uncoated, untreated, flexible Tyvek® material 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® for maximum breathability during sterilization without the chance of residue deposits on equipment, post sterilization
- Tyvek® has the highest microbial barrier properties among all steam sterilization wrapping compatible materials
- Manufactured and packaged in a ISO Certified Cleanroom
- Lint-Free

MATERIAL SPECIFICATIONS:

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

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1421B TYVEK® AUTOCLAVABLE WRAPPERS

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

MD = machine direction; CD = cross direction

1. Surface 2 cm², pressure 50 kPa.

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

3. Rate of use: 60 cm H₂O/min.

4. Modified for conditioning.

5. Electronic device.

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

MD = machine direction; CD = cross direction

1. Surface 2 cm², pressure 50 kPa.

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

3. Rate of use: 60 cm H₂O/min.

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PURECLEAN™ 1421B TYVEK® AUTOCLAVABLE WRAPPERS



KEYSTONE PART NUMBER	DIMENSIONS	KEYSTONE PART NUMBER	DIMENSIONS
70TK0303	7.62 cm X 7.62 cm	70TK2020	50.8 cm X 50.8 cm
70TK0404	10.16 cm X 10.16 cm	70TK2424	60.96 cm X 60.96 cm
70TK0606	15.24 cm X 15.24 cm	70TK3030	76.2 cm X 76.2 cm
70TK07-507-5	19.05 cm X 19.05 cm	70TK4040	101.6 cm X 101.6 cm
70TK0909	22.86 cm X 22.86 cm	70TK4080	101.6 cm X 203.2 cm
70TK0911	22.86 cm X 27.94 cm	70TK6060	152.4 cm X 152.4 cm
70TK1212	30.48 cm X 30.48 cm	70TK60140	152.4 cm X 355.6 cm
70TK1515	38.1 cm X 38.1 cm	70TK7272	182.88 cm X 182.88 cm
70TK1818	45.72 cm X 45.72 cm	70TK8494	213.36 cm X 238.76 cm