

SINCE 1925

KEYSTONE

SAFETY ↔ CLEANROOM PRODUCTS

PURECLEAN™ 1421B TYVEK® CONTINUOUS FORM TUBING



TYPICAL APPLICATION & CHARACTERISTICS:

PureClean™ Self-Sealing Autoclavable Tubing is 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® on both sides for maximum breathability during sterilization without the chance of residue deposits on equipment, post sterilization
- Cut to desired length – size flexibility
- Cost Effective
- Tyvek® on both sides for maximum steam penetration during sterilization
- Minimizes the use of autoclave tape
- Fast and consistent for equipment preparation area
- Creates strong seals when heat sealed
- Hydrophobic
- Resists tearing and punctures
- Superior microbial barrier
- Lint-Free
- Manufactured and packaged in ISO6 certified cleanrooms
- Certificates of Conformance sent with all shipments
- Made in USA

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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]
Thickness	EN ISO 534 ¹	mils	6 (0.15mm)
Tensile strength, MD	EN ISO 1924-2 ²	lb _f /in	7.6
Tensile strength, CD	EN ISO 1924-2 ²	lb _f /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.

PURECLEAN™ 1421B TYVEK® CONTINUOUS FORM TUBING

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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5. Electronic device.

KEYSTONE PART NUMBER	DIMENSIONS
60002STK	5.08 cm
60003STK	7.62 cm
60004STK	10.16 cm
60005STK	12.7 cm
60006STK	15.24 cm
60008STK	20.32 cm
60100STK	25.4 cm
60120STK	30.48 cm
60150STK	38.1 cm
60160STK	40.64 cm
60240STK	60.96 cm
60280STK	71.12 cm
60300STK	76.2 cm
60400STK	101.6 cm

