

SINCE 1925

KEYSTONE

SAFETY ⇄ CLEANROOM PRODUCTS

PureClean™ Autoclavable Muff Cover with Tunnelized Elastic and Verify™ Window, Made with 1421B Tyvek®

PureClean™ Autoclave Muff Covers 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. The use of tunnelized elastic reduces the risks of particulate generation through fiber shedding, and the clear film Verify™ window allows for easy visual inspection of parts.

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

Description



- Uncoated Tyvek® for maximum breathability during sterilization without the chance of residue deposits on equipment, post sterilization
- The tunnelized elastic reduces the risk of fiber shedding
- Clear Film Verify™ Window enables visual inspection to verify dryness of sterilized parts, as required by EU GMP Annex 1
- Conveniently covers flasks, beakers, containers, media bottles, valves, pipes and hoses
- Prevents dust and other particulate from entering orifices of any size
- Breathable, while providing a superior barrier post sterilization
- Tyvek® has the highest microbial barrier properties among all steam sterilization wrapping materials
- Manufactured and packaged in a ISO Certified Cleanroom
- Eliminates Autoclave Tape Residue

Tyvek® is a trademark of affiliates of DuPont de Nemours, Inc.

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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]
Preliminary miscellaneous properties (English units)			
Thickness	ENISO 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 50kPa.

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.



Tunnelized Elastic reduces risk of fiber shedding.

Fits Openings with Diameters	Keystone Part No.
1" to 1 3/4"	10TK04TWW
1 3/4" to 2 1/2"	10TK05TWW
2.52" to 3.50"	10TK06TWW
2 1/2" to 4"	10TK07TWW
3 1/2" to 4 3/4"	10TK08TWW
4" to 5 1/2"	10TK09TWW
5 1/2 "to 8"	10TK12TWW
8" to 12"	10TK16TWW
10" to 14.02"	10TK18TWW