

Basics for your cleanroom!



Cleanroom
Protective clothing
Cleaning

Cleanroom Classifications ISO 14644-1, max. particles / m³

ISO Classification Number	Particle size						SI	English Former FED-STD-209E
	0.1 µm	0.2 µm	0.3 µm	0.5 µm	1.0 µm	5.0 µm		
ISO Class 1	10	2						
ISO Class 2	100	24	10	4	8			
ISO Class 3	1,000	237	102	35	83		M 1.5	1
ISO Class 4	10,000	2,370	1,020	352	832	29	M 2.5	10
ISO Class 5	100,000	23,700	10,200	3,520	8,320	293	M 3.5	100
ISO Class 6	1,000,000	237,000	102,000	35,200	83,200	2,930	M 4.5	1,000
ISO Class 7				352,000	832,000	29,300	M 5.5	10,000
ISO Class 8				3,520,000	8,320,000	293,000	M 6.5	100,000
ISO Class 9				35,200,000	83,200,000	2,930,000		

Class GMP	Maximum particles / m ³			
	At Rest ≥ 0.5 µm	At Rest ≥ 5 µm	In Operation ≥ 0.5 µm	In Operation ≥ 5 µm
Grade A	3,520	20	3,520	20
Grade B	3,520	29	352,000	2,930
Grade C	352,000	2,930	3,500,000	29,300
Grade D	3,520,000	29,000	Not defined	Not defined



Safety Eyeshields uvex super fit CR 9178

- Professional protection of products and humans
 - First autoclavable protective spectacle with anti-fog effect
 - Sterile eye protection in every situation
 - Autoclavable at least 10 times, 121 °C, 20 minutes
 - Innovative design for maximum functionality and wearer comfort
 - Non-allergenic material which is free of harmful substances
 - Ultra-thin wraparound lens
 - Lightest safety spectacle in the world
 - EN 166
 - UV 400
 - Weight 21 g
- coating uvex supravision clean



Colour	Lens	Coating	PK	Cat. No.	Price GBP
white/light blue	UV 400, 2C-1,2 W 1 FTKN DIN CE	uvex supravision CR	1	7.982 028	17.55



Overgoggles uvex super f OTG CR 9169

- Professional protection of products and humans
 - First autoclavable protective overspec with anti-fog effect
 - Sterile eye protection in every situation
 - Autoclavable at least 10 times, 121 °C, 20 minutes
 - Innovative design for maximum functionality and wearer comfort
 - Overspecs with unrestricted lateral vision
 - Also suitable for use over prescription spectacles
 - Non-allergenic material which is free of harmful substances
 - Ultra-modern lens technology
 - Extremely flexible soft ear pieces
 - EN 166
 - UV 400
 - Weight 37 g
- Coating uvex supravision clean



Colour	Lens	Coating	PK	Cat. No.	Price GBP
white/light blue	clear, UV 400, 2C-1,2	uvex supravision clean	1	6.268 419	18.92

LLG-Safety Eyeshields basic

- CE approved to EN 166 and EN 170
- Perfect for visitors as well as over goggles for spectacles wearers
- Integrated side lens with venting, 180° visual field
- Frame made of tested hypo-allergenic material
- 100 % UV protection (up to 380 nm)
- Weight: 43g



Colour	Lens	PK	Cat. No.	Price GBP
Clear	Clear, uncoated, 2-1.2 U 1 F CE	10	9.006 002	15.24



Panoramic Eyeshield uvex ultrasonic CR 9302

- Professional protection of products and humans
 - First autoclavable protective goggle with anti-fog effect
 - Sterile eye protection in every situation
 - Autoclavable at least 10 times, 121 °C, 20 minutes
 - Innovative design, maximum functionality, wearer comfort
 - Ultra-light goggle with panorama lens, duo component technology and adjustable silicone headband
 - Indirect ventilation ensures a pleasant and comfortable interior environment
 - Easy lens replacement
 - Flexible soft components
 - Wide panoramic field of vision
 - Non-allergenic material which is free of harmful substances
 - EN 166
 - UV 400
 - Weight 98 g
- coating uvex supravision clean



Colour	Lens	Coating	PK	Cat. No.	Price GBP
white	clear /UV 2-1,2	uvex supravision clean	1	6.262 943	27.08



Panoramic Eyeshield for cleanroom

Cleanroom mask designed for use in rooms with controlled contaminations (sterile and clean rooms) or in aseptic conditions. Its soft structure supports multiple cycles of steam, gamma or beta sterilization without perceptible changes.

- Sterilizable through autoclave with steam and with gamma and beta radiations at 25 kGy
- New elastic strap in antistatic silicone
- Innovative quick elastic band adjustment system
- Available with direct and indirect ventilation



Colour	Description	Lens	PK	Cat. No.	Price GBP
blue	directly ventilation	clear / 2C-1.2 U 1 B CE	1	6.286 799	31.21
blue	indirectly ventilation	clear / 2C-1.2 U 1 B CE	1	6.286 800	31.21





Gloves KIMTECH PURE*G3, latex, powder free, sterile

- Recommended for ISO Class 3 or higher cleanroom environments
- Natural rubber latex for tactile sensitivity and comfort
- Beaded cuff, for added strength and ease in donning
- Textured palms and fingers
- Powder free-minimising contamination and the drying effects of powder on skin
- Hand specific
- Low protein and low endotoxin levels
- Walleled & pouched in polyethylene for cleanroom use
- This product is classified by EC Council Directive 89/686/EEG. It is tested in accordance with the EN Norms EN 420:2003 **Cat. III Low Chemical resistant.**
- Meets AQL of 1.5
- Manufactured in accordance with Quality System ISO 9001
- Box of 10 x 20 pairs. Individually packed per pair.



Size	Length cm	PK	Cat. No.	Price GBP
6	30	200	4.652 643	303.94
6,5	30	200	6.267 248	303.94
7	30	200	6.267 249	303.94
7,5	30	200	6.267 250	303.94
8	30	200	6.267 251	303.94
8,5	30	200	6.237 698	303.94
9	30	200	6.267 252	303.94
10	30	200	6.267 253	303.94



Gloves, KIMTECH PURE*G3 nitrile, sterile

Sterile validated and clean processed, with lot testing for low levels of particles. PPE Category III certified under CE directive 89/686/EEC for Personal Protective Equipment. Tested for permeation resistance to cytotoxic drugs. Ideal for use in sterile pharmaceutical manufacturing EU GMP ISO 5 CLASS A areas. Providing protection against chemical splash and micro-organism hazards acc. to EN 374-1:2003, EN 374-3:2003, ASTM 6978-05. AQL 1.5/EN 374-2.



- ISO 16604 virus resistant. Sterile Validated to SAL 10^{-6}
- Available as one pair of hand specific gloves; 30 cm long, with beaded cuff for added strength and fully textured palm and fingertips, combining enhanced grip with easy double donning.
- Comfortable fit, with silicone free formulation
- Individually packed in sterile wallets

Size	Length cm	PK	Cat. No.	Price GBP
6	30	200	6.257 260	345.72
6,5	30	200	6.240 584	345.72
7	30	200	6.265 204	345.72
7,5	30	200	6.240 077	345.72
8	30	200	6.230 011	345.72
8,5	30	200	6.252 634	345.72
9	30	200	6.235 083	345.72
10	30	200	6.265 205	345.72

Gloves Niprotect 529, nitrile

Reinforced mechanical resistance for short-term operations. Manufacturing process guarantees a very low level of contaminants: rates of particles, non-volatile residue, extractables; compatible with ISO 5 class (Class M3.5 for International system). 100 % nitrile formula enables anti-static properties. Protection against accidental chemical splashes. Recommended for people who are sensitive to the proteins in natural latex.



• **Cat. III**

- Packaging: 100 gloves/bag
- Thickness: 0.1 mm

Size	Length cm	PK	Cat. No.	Price GBP
6	30	100	6.270 501	27.55
7	30	100	6.270 502	27.55
8	30	100	6.270 503	27.55
9	30	100	6.270 504	27.55
10	30	100	6.270 505	27.55



Gloves, Nitrilite® Silky

Produced in a controlled powder-free environment, they feature exceptionally low levels of extractable and particles for excellent product protection. The 100 % nitrile polymer prevents the risk of allergies related to latex proteins for the wearer. It also provides exceptional chemical and puncture resistance for further safety. All this, added to optimal electrical properties, makes Nitrilite® gloves ideal for a wide range of industrial sectors.



• AQL of 1.5 **Cat. III**

Packaging: 50 gloves vacuumsealed in an unprinted polybag, two bags of 50 gloves per master polybag.

All packaging and labeling is printed with IPA-resistant ink. The gloves are doublebagged for superior contamination control. Packed in a ISO Class 5 cleanroom.

Size	Length cm	PK	Cat. No.	Price GBP
S	30	100	6.253 290	27.18
M	30	100	6.253 291	27.18
L	30	100	6.253 292	27.18
XL	30	100	6.253 293	27.18
XXL	30	100	6.262 160	27.18



Gloves Trionic 517, Tri-Polymer

A tripolymer exclusive that offers 100 % comfort for optimal mechanical and chemical resistance. Excellent resistance and strong chemical protection against a great number of chemical products: exclusive Trionic formula made from a mix of natural latex, neoprene and nitrile. Manufacturing process guarantees a very low level of contaminants: rates of particles, non-volatile residue, extractables. Compatible with ISO 5 class (Class M3.5 for International system). Wide cuff for double-gloving.



• **Cat. III**

- Packed per pair
- Thickness: 0.5 mm

Size	Length cm	PK	Cat. No.	Price GBP
6	36	1	6.304 079	4.73
7	36	1	6.303 886	4.73
8	36	1	6.303 887	4.73
9	36	1	6.281 467	5.25
10	36	1	6.281 468	4.73





Undergloves polyester, nylon

The undergloves made of 100 % polyester or nylon are highly breathable and have an excellent fit due to their high flexibility. The cuff at the wrist is processed in such a way as to prevent fraying and thus the generation of lint, making it ideal for use in cleanrooms. Furthermore, the gloves can be used not only as undergloves, but also for precision work to prevent impurities such as fingerprints. In order to be able to recognize the different sizes more easily, the gloves differ in the colors of the cuffs. Carton with 30 x 10 pairs.

Size	Material	Colour	PK	Cat. No.	Price GBP
S	polyester	white	300	4.659 021	94.29
M	polyester	green	300	4.659 020	94.29
L	polyester	gray	300	4.659 019	94.29
XL	polyester	brown	300	4.659 018	94.29
S	nylon	white	300	4.659 025	134.58
M	nylon	green	300	4.659 024	134.58
L	nylon	gray	300	4.659 023	134.58
XL	nylon	brown	300	4.659 022	134.58



Finger cots natural rubber

The finger cots made of antistatic natural rubber, with a thickness of min. 0.09 mm, are ideal for applications where the highest precision and fingertip sensation is required. Due to microtexturing, they are also especially handy. Surface resistance: 10E10~120Ω

Size	Material	PK	Cat. No.	Price GBP
S	rolled edge	1440	4.659 035	19.08
M	rolled edge	1440	4.659 036	19.08
L	rolled edge	1440	4.659 037	19.08
S	cut edge	1440	4.659 038	16.57
M	cut edge	1440	4.659 039	16.57



Sleeve guard Tyvek® IsoClean®, sterile

DuPont™ Tyvek® IsoClean® sleeve, model IC 501 B WH OS. Sterile sleeve available in white and in one size. Tunnelled elastication at wrist and upper arm. Tyvek® garments are composed of flash spun high density polyethylene, providing an ideal balance of protection, durability and comfort. Tyvek® is permeable to both air and water vapour, yet repels water-based liquids and aerosols. It offers an excellent barrier against fine particles and fibres (down to 1 micron in size) and is ultra-low-linting. Silicon non-added. Garments and accessories made of Tyvek® IsoClean® are used in the biotech, pharmaceutical, medical device manufacturing and electronics industries, as well as in other critical or controlled environments.

- This accessory is not CE certified as chemical protective clothing
- Gamma-sterilised
- Suitable for use in cleanroom class ISO 6 and higher
- Sterility assurance level (SAL) of 10⁻⁶
- Bound seams: tightly sewn seam is covered with garment fabric to reinforce seam protection and reduce potential for liquid and particle penetration
- Full traceability on all sterilized apparel with certificates of sterility available

Description	PK	Cat. No.	Price GBP
Sleeve guard Tyvek® IsoClean®	100	9.390 072	128.77

Hood Tyvek® IsoClean®, sterile

DuPont™ Tyvek® IsoClean® hood with ties, model IC 668 B WH CS. Sterile hood available in white and in one size. Full face opening with loops and ties. Tyvek® garments are composed of flash spun high density polyethylene, providing an ideal balance of protection, durability and comfort. Tyvek® is permeable to both air and water vapour, yet repels water-based liquids and aerosols. It offers an excellent barrier against fine particles and fibres (down to 1 micron in size) and is ultra-low-linting. Silicon non-added.

Garments and accessories made of Tyvek® IsoClean® are used in the biotech, pharmaceutical, medical device manufacturing and electronics industries, as well as in other critical or controlled environments.

- This accessory is not CE certified as chemical protective clothing
- Clean laundered and gamma-sterilised
- Suitable for use in cleanroom class ISO 5 and higher
- Sterility assurance level (SAL) of 10^{-6}
- Bound seams: tightly sewn seam is covered with garment fabric to reinforce seam protection and reduce potential for liquid and particle penetration
- Full traceability on all sterilized apparel with certificates of sterility available
- Box of 100 p., single packed

Colour	PK	Cat. No.	Price GBP
white	100	9.390 071	245.57



Disposable mask for Cleanroom, polypropylene

Disposable polypropylene mask for cleanroom. Size: 180 x 95 mm. Ear strap is made of low particle material (Urethane), Nose clip made of polyethylene. High collection efficiency because of its 3 layer structure.

- Packed in cleanroom
- Suitable for Cleanroom class ISO 5.

Packing: 40 x 50 pieces

Type	PK	Cat. No.	Price GBP
Disposable mask	2000	4.659 068	202.63



Laboratory coat KIMTECH Science*A7 P+®

- Certified PPE Cat III directive 89/686/EEC
- Type 6 limited chemical splash protection
- Micro-organism protection tested
- EN1149-1:1995 Antistatic clothing
- High performance chemical resistant fabric
- Low lint fabric, Helmke Drum Category II
- 99 % particle and bacterial filtration efficiency
- Individually packed, 15 p. in an outer package for ISO 7 Grade C areas
- Silicon-Free
- Abrasion-resistant film-coated polypropylene
- Mandarin collar
- Elastic cuff, thumb-loops and extra-length arms
- High strength triple stitched seams

EN 1149



Size	PK	Cat. No.	Price GBP
S	15	4.653 906	69.23
M	15	4.653 907	69.23
L	15	4.653 908	69.23
XL	15	4.653 909	69.23
XXL	15	4.653 910	69.23



Protection Coverall KIMTECH PURE*A6/A8

Innovative coverall offering chemical splash protection combined with a breathable back panel to improve the comfort. Front panel, hood, arms and legs made with laminated SMS fabric. Back panel made of lightweight 45 gsm SMS fabric. Origami proprietary folding method to ensure not touching the outer surface of the coverall when opening the packaging. Legs telescope folded with built-in snaps and wide foot opening. Arms telescope folded with built-in thumb loops. Compatible for use in ISO 7 & 8/Grade C & D cleanrooms. Certified against the European regulation as Cat III protective garment, Type 5 (Particle protection) and Type 6 (Limited Splash Protection), antistatic treated to meet EN 1149-5 requirement and EN 14126 infective agent protection. 25 garments per case, individually packed. Available in size S to 4 XL.

A6 with hood.

A8 with high neck collar.

Size	Type	PK	Cat. No.	Price GBP
S	A6	25	6.272 170	131.54
M	A6	25	6.272 171	131.54
L	A6	25	6.272 172	131.54
XL	A6	25	6.272 173	131.54
2XL	A6	25	6.272 174	131.54
3XL	A6	25	6.272 175	131.54
4XL	A6	25	6.272 176	131.54
S	A8	25	6.272 177	96.92
M	A8	25	6.272 178	96.92
L	A8	25	6.272 179	96.92
2XL	A8	25	6.272 181	96.92
3XL	A8	25	6.272 182	96.92

Disposable Chemical Protection Coverall 4B

Material: polyethylene-laminate

- colour white/orange
- excellent wearer comfort due to the breathable, light and flexible material
- self-adhesive zipper flap and taped seams ensure optimum protection against w penetration by liquid aerosols and solid particles
- the hood is easily compatible with filtering face masks
- middle finger loops prevent sleeves from sliding up
- silicone free
- suitable for cleanroom environment (Class 7, ISO 14644-1)
- chemical protection: personal protective equipment category 3, EN 14605(Type 4), EN ISO 13982-1(Type 5), EN 13034(Type 6), EN 1149-5, EN 14126

Size	PK	Cat. No.	Price GBP
S	5	9.414 100	40.78
M	5	9.414 101	40.78
L	5	9.414 102	40.78
XL	5	9.414 103	40.78
XXL	5	9.414 104	40.78
XXXL	5	9.414 105	40.78



Disposable coverall Tyvek® IsoClean®, with collar/hood, sterile

DuPont™ Tyvek® IsoClean® coverall with collar, model IC 182 B WH CS. Clean-processed and gamma-sterilised. Coverall with collar, available in white in sizes M to XXXL. Front zipper closure. Raglan sleeves with tunnelled elastic wrists. Tunnelled elastics at ankles. Tyvek® garments are composed of flash spun high density polyethylene, providing an ideal balance of protection, durability and comfort. Tyvek® is permeable to both air and water vapour, yet repels water-based liquids and aerosols. It offers an excellent barrier against fine particles and fibres (down to 1 micron in size) and is ultra-low-linting. Silicon non-added. Garments made of Tyvek® IsoClean® are used in the biotech, pharmaceutical, medical device manufacturing and electronics industries, as well as in other critical or controlled environments.

- This garment is not CE certified as chemical protective clothing
- Clean laundered and gamma-sterilised
- Suitable for use in cleanroom class ISO 5 and higher
- Sterility assurance level (SAL) of 10⁻⁶
- Bound seams: tightly sewn seam is covered with garment fabric to reinforce seam protection and reduce potential for liquid and particle penetration
- Full traceability on all sterilized apparel with certificates of sterility available
- single packed

Description	Size	PK	Cat. No.	Price GBP
with collar	M	1	9.390 066	11.88
with collar	L	1	9.390 067	11.88
with collar	XL	1	9.390 068	11.88
with collar	XXL	1	9.390 069	11.88
with collar	XXXL	1	9.390 070	11.88
with hood and slip-retardant overshoes	M	1	9.390 061	15.83
with hood and slip-retardant overshoes	L	1	9.390 062	15.83
with hood and slip-retardant overshoes	XL	1	9.390 063	15.83
with hood and slip-retardant overshoes	XXL	1	9.390 064	15.83
with hood and slip-retardant overshoes	XXXL	1	9.390 065	15.83



Disposable Overshoes Tyvek® IsoClean®

DuPont™ Tyvek® IsoClean® overshoe model, IC 451 S WH OB. Overshoe available in white and in sizes M and L. Fixation ties. Elastics at ankles and gripper slip-retardant full sole. Tyvek® garments and accessories are composed of flash spun high density polyethylene, providing an ideal balance of protection, durability and comfort. Tyvek® is permeable to both air and water vapour, yet repels water-based liquids and aerosols. It offers an excellent barrier against fine particles and fibres (down to 1 micron in size) and is ultra-low-linting. Silicon non-added.

Garments and accessories made of Tyvek® IsoClean® are used in the biotech, pharmaceutical, medical device manufacturing and electronics industries, as well as in industrial applications.

- This accessory is not CE certified as chemical protective clothing
- Not clean laundered, not sterilised
- Suitable for use in cleanroom class ISO 6 and higher
- Box of 100 p.

Description	Colour	PK	Cat. No.	Price GBP
M	white	100	9.390 078	99.69
L	white	100	9.390 079	99.69



DuPont™ Tyvek® IsoClean®

Fixation ties. Tunnelled elastics at ankles and gripper slip-retardant full sole. Tyvek® garments are composed of flash spun high density polyethylene, providing an ideal balance of protection, durability and comfort. Tyvek® is permeable to both air and water vapour, yet repels water-based liquids and aerosols. It offers an excellent barrier against fine particles and fibres (down to 1 micron in size) and is ultra-low-linting. Silicon non-added.

Garments and accessories made of Tyvek® IsoClean® are used in the biotech, pharmaceutical, medical device manufacturing and electronics industries, as well as in other critical or controlled environments.

Overboot, model IC 458 B WH CS

Sterile overboot in white.

- This accessory is not CE certified as chemical protective clothing.
- Clean laundered and gamma-sterilised
- Suitable for use in cleanroom class ISO 5 and higher
- Sterility assurance level (SAL) of 10⁻⁶
- Bound seams: tightly sewn seam is covered with garment fabric to reinforce seam protection and reduce potential for liquid and particle penetration
- Full traceability on all sterilized apparel with certificates of sterility available
- Box of 100 x 2 p., single packed per pair

Description	Colour	PK	Cat. No.	Price GBP
S	white	200	9.390 073	180.00
M	white	200	9.390 074	180.00
XL	white	100	9.390 075	183.86

Overboot, model IC 458 B WH OB

Overboot available in white and in sizes M and L.

- This accessory is not CE certified as chemical protective clothing
- Not clean laundered, not sterilised
- Suitable for use in cleanroom class ISO 6 and higher
- Bound seams: tightly sewn seam is covered with garment fabric to reinforce seam protection and reduce potential for liquid and particle penetration
- Box of 100 p.

Description	Colour	PK	Cat. No.	Price GBP
M	white	100	9.390 076	144.00
L	white	100	9.390 077	149.14

Overshoe dispenser HYGOMAT COMFORT/CLEANROOM

- no electrical power needed
- easy to use, no need for bending over
- easy and quick handling
- with handrail for extra comfort
- capacity: two packs of overshoes
- with window for easy control of rest capacity
- refilled with overshoes within seconds
- weight: 21 kg

Description	PK	Cat. No.	Price GBP
Overshoes dispenser HYGOMAT COMFORT, 740 x 300 x 730 mm	1	6.257 283	369.64
Overshoes dispenser HYGOMAT CLEANROOM, stainless steel, 740 x 300 x 730 mm	1	6.269 779	471.21
Overshoes, fleece with CPE-coating, 440 mm, white, for HYGOMAT	80	6.257 285	19.61
Overshoes with strong CPE sole 440 mm, white-blue, for HYGOMAT	70	6.257 286	14.71
Overshoes, CPE, 470 mm, blue, for HYGOMAT	110	6.257 287	11.91
Overshoes with slip resistant sole, PP, 460 mm, light blue, for HYGOMAT	100	6.257 288	13.18



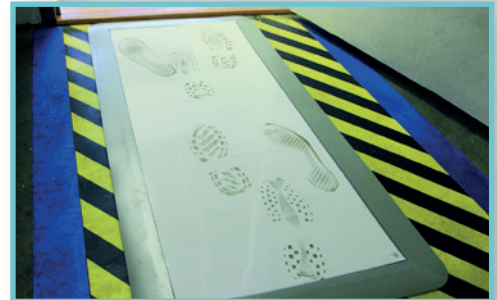
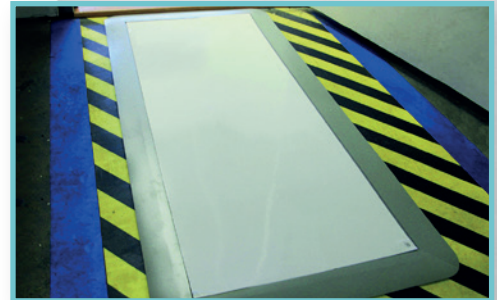
Cleanroom mats Sticky Mat

The Sticky Mat provides a fast, convenient, reliable way to clean shoe soles or other items before entering a clean and sanitary area. Sticky Mats significantly reduce traffic-borne contaminants.

Each Sticky Mat consists of a stack of tear-off adhesive polyethylene sheets, effectively capturing dirt and dust from foot-traffic and equipment wheels before they enter controlled environments. A clear release sheet protects the top sheet of the sticky mat until it is ready to use. The corner tabs are consecutively numbered to show the number of remaining sheets, thereby helping you to keep track of the number of sheets remaining and preventing multiple sheets being removed at once.

Ergomat White Sticky Mats are produced in an 46 x 114 cm sheet, sold in pads of 30 sheets, with 10 pads per box (300 sheets total.)

Description	Colour	LC	PK	Cat. No.	Price GBP
Frame for Cleanroom mats Sticky Mat	grey	L9A	1	6.272 245	59.82
Pack of 10 mats of 30 sheets	white	L9A	10	6.272 241	78.92
Pack of 10 mats of 30 sheets	blue	L9A	10	6.272 242	78.92
Set of 10 mats of 30 sheets + 1 frame	white	L9A	1	6.272 243	124.62
Set of 10 mats of 30 sheets + 1 frame	blue	L9A	1	6.272 244	124.62



LLG Trolleys, Stainless Steel

Made of CNS 18/10, material no. 1.4301, with micro-polished surface. All shelves are produced with an all round raised profile edge. This prevents anything from slipping over the edge. The shelves are welded to the car. The load capacity per shelf is 80 kg. A noise-insulation mat is mounted on the bottom side of each shelf. The round tubes at the front edges are used as handgrips.

The trolleys are equipped with galvanized steel castors (4 swivel castors, 2 with brakes, castor diam. 125 mm) which are inserted in the tubular frame. Wall bumpers made of plastic (polyamide) on all four corners protect against damage.

Description	Width mm	Depth mm	Height mm	PK	Cat. No.	Price GBP
2 shelves, vertical spacing 585 mm	900	600	950	1	9.148 101	224.35
3 Shelves, vertical spacing 275 mm	900	600	950	1	9.148 104	335.88

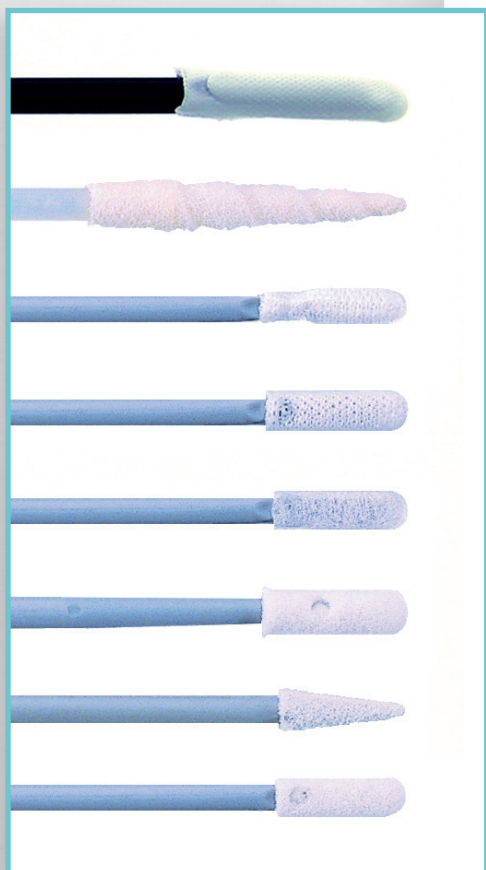


Adhesive tape

Adhesive PVC-tape with water-soluble adhesive. Available in different widths and colors.

Size	Colour	Rollers	PK	Cat. No.	Price GBP
12 mm x 33 m	red	10	10	4.659 106	44.70
12 mm x 33 m	blue	10	10	4.659 107	44.70
12 mm x 33 m	yellow	10	10	4.659 108	44.70
12 mm x 33 m	green	10	10	4.659 109	44.70
12 mm x 33 m	white	10	10	4.659 110	44.70
25 mm x 33 m	red	10	10	4.659 111	85.04
25 mm x 33 m	blue	10	10	4.659 112	85.04
25 mm x 33 m	yellow	10	10	4.659 113	85.04
25 mm x 33 m	green	10	10	4.659 114	85.04
25 mm x 33 m	white	10	10	4.659 115	85.04
25 mm x 33 m	black/yellow	10	10	4.659 116	85.04
50 mm x 33 m	red	5	5	4.659 117	85.04
50 mm x 33 m	blue	5	5	4.659 118	85.04
50 mm x 33 m	yellow	5	5	4.659 119	85.04
50 mm x 33 m	green	5	5	4.659 120	85.04
50 mm x 33 m	white	5	5	4.659 121	85.04
50 mm x 33 m	black/yellow	5	5	4.659 122	85.04





Precision-Swabs

Precision-swabs are engineered for use in a variety of environments and applications. They are ideal for use with cleaner degreasers, head cleaners, flux removers and other solvents for fast, precision cleaning.

Wrapped foam swabs

- Durable wrapped foam swabs designed for precise applications.
- Good particle entrapment and work well as solvent applicators
- Small tips allow use in very tight tolerance areas
- Wrapped foam delivers superior abrasion resistance for removal of tough contaminants
- Pointed end works especially well as a pick.

Sealed polyester swabs

- Very clean and durable all-purpose swabs
- Featuring either knit or nonwoven fabric heads, these swabs are acid and solvent resistant
- Sealed edges build in high strength with no loose fibers or particulates
- Ideal for tough scrubbing around raised shapes
- Cleanroom process gives the lowest ionic, non-volatile residue and particle contaminants.

Sealed foam swabs

- Economical general purpose swabs
- Best solvent retention
- Excellent particle entrapment
- The open cell structure gives the best solvent holding ability of any style of swab
- Free of adhesives or binders that could contaminate your process
- Fiberless construction does not generate particles.
- Suitable for ISO Class 4 Cleanrooms and higher

Length mm	Head size	Head	Material Head	Material shaft	PK	Cat. No.	Price GBP
150	4,7 x 5,4	rounded	Polyester/Nylon	PP	125	4.655 171	44.71
70	3,7 x 3,7	wrapped, pointed	PU-foam	Nylon	125	6.266 882	29.09
70	2,4 x 3,0	rounded	Polyester	PP	125	6.266 884	26.47
70	1,6 x 3,0	rounded	Polyester	PP	125	6.266 885	26.47
70	1,0 x 3,0	rounded	Polyester	PP	125	6.266 886	25.86
70	3,3 x 3,5	rounded	PU-foam	PP	125	6.266 887	22.82
80	2,7 x 3,3	pointed	PU-foam	PP	125	6.266 888	24.91
68	2,5 x 3,0	rounded	PU-foam	PP	125	6.266 889	24.56

Sticky Swabs

Sticky Swabs - ESD safe cleaning stems:

Dustfree sticky swabs are specially used and designed for a high degree dust-free environment (class 10-100). Anti-static treatment can safely dissipate electrostatic charge. Sticky swabs are applicable for manufacturing and assembling static sensitive products.

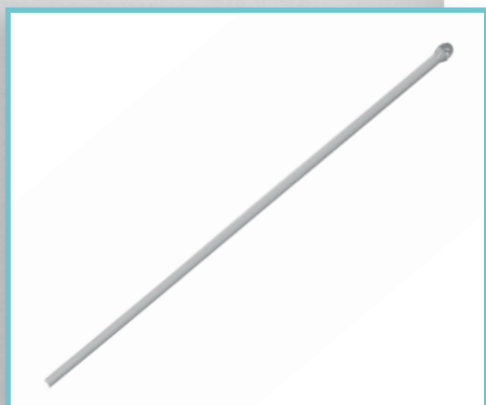
Property: ESD safe, good absorption, soft and good tenacity, excellent agility, non-volatile, environment-friendly, no thrill odor

Material

Tip: PVAC (Polyvinyl acetate), Ethyl acetate - Isopentyl acetate

Handle: PVC

Description	PK	Cat. No.	Price GBP
1 mm Ø	25	6.272 061	27.59
2 mm Ø	25	6.272 062	26.04
3 mm Ø	25	6.272 063	26.04
Kit, box of 75 swabs mixed (25 x 1 mm, 25 x 2 mm, 25 x 3 mm)	1	6.272 064	57.20



Cleanroom wipes, polyester/nylon

Cleanroom wipes made of 87 % polyester and 13 % nylon. 229 x 229 mm, lasercut, washed with pure water. Excellent dust suppression and wiping efficiency due to split fiber. Suitable for Cleanroom class ISO 5.

Type	PK	Cat. No.	Price GBP
Cleanroom wipes	150	4.659 072	24.46



Cleanroom wipes, polyester

Cleanroom wipes made of 100 % polyester, 229 x 229 mm, lasercut. Particle number and evaporation residues are kept to a minimum. The formation of dust and lint from the cutting surface are kept to a minimum due to the use of laser cutting technique. The use of polyester long fibers prevents the generation of lint. Suitable for cleanroom class ISO 5.

Type	PK	Cat. No.	Price GBP
Cleanroom wipes	150	4.659 070	21.17



Cleanroom wipes, polyester/nylon

Cleanroom wipes made of 80 % polyester and 20 % nylon, 229 x 229 mm, heat cut, thickness: $410 \pm 30 \mu\text{m}$, Water Absorbency: 412.32 g/m^2 , Weight: $210 \pm 10 \text{ g/m}^2$. Used split fiber results in excellent wiping effects. Suitable for cleanroom class ISO 5.

Type	PK	Cat. No.	Price GBP
Cleanroom wipes	100	4.659 071	39.90



Cleanroom wipes, polyester/rayon

Cleanroom wipes made of nonwoven fabric with 30 % polyester and 70 % rayon, 250 x 250 mm, quattro folded, Suitable for Cleanroom class ISO 6.

Type	PK	Cat. No.	Price GBP
Cleanroom wipes	3000	4.659 073	100.94

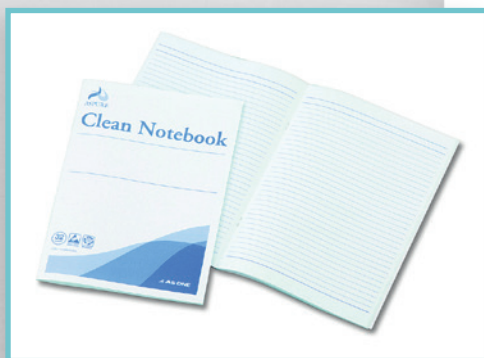




Cleanroom tissues Sontara® MicroPure

Sontara® MicroPure nonwoven styles (woodpulp/polyester) are engineered for cleanroom use and combine absorbency of a natural fibre with the cleanliness and strength of a synthetic fibre in the same fabric. No binders or chemical treatments are used to manufacture them. The high cleanliness and purity are ensured by low extractable level and ion content as well as extremely low particle generation by the material itself. The fabric styles offer high particle and liquid absorbency due to their cellulose content.

Type	Dimensions mm	Cleanroom Class	PK	Cat. No.	Price GBP
Sontara® MicroPure 100	305 x 305	ISO 5 + 6	150	9.390 185	24.08
Sontara® MicroPure 100	224 x 224	ISO 5 + 6	300	9.390 186	23.91
Sontara® MicroPure AP	305 x 305	ISO 6 - 9	150	9.390 187	24.72
Sontara® MicroPure AP	224 x 224	ISO 6 - 9	300	9.390 188	20.86
Sontara® MicroPure SV	305 x 305	ISO 7 - 9	250	9.390 189	25.31
Sontara® MicroPure SV	224 x 224	ISO 7 - 9	500	9.390 190	31.31



Cleanroom notebook

Notebook suitable for use in Cleanrooms. 64 pages of white paper, horizontally lined.

- Surface resistance: $<10^{11} \Omega$
- 72 g/m²
- Packed in Cleanroom

Type	PK	Cat. No.	Price GBP
Cleanroom notebook	10	4.659 105	34.98



Cleanroom paper

Clean paper available in white and blue.

- Suitable for Cleanroom class ISO 5
- Surface resistance: $<10^{11} \Omega$
- 72 g/m²
- Packed in Cleanroom

Size	Colour	PK	Cat. No.	Price GBP
A4	blue	2500	4.659 102	85.50
A4	white	2500	4.659 103	85.50
A3	white	1250	4.659 104	85.50

cleanroom marker, edding 8011

For permanent marking of special cleanroom and laminated papers in dust-free environments. Smudge-proof and waterproof.

- easy to use
- Stroke width: Approx. 0.6 mm
- Nib: Bullet nib

Colour	PK	Cat. No.	Price GBP
black	10	6.284 876	19.25
red	10	6.286 141	19.27
blue	10	6.286 142	19.27

6.286 141



6.286 142



Laboratory Chair Labsit

Labsit is the new chair for all kinds of laboratories. Its intelligent Flex function offers comfort and laboratory ergonomics with minimal adjustments required. Labsit has all the properties required for laboratory work and, at the same time, it is light and universally applicable. Labsit is therefore a laboratory specialist and all-rounder all in one.



- Minimal joints: Hygienic design for easy cleaning and disinfection.
- Resistant to disinfectants and chemicals: Resistant to all of the usual disinfectants and chemicals.
- Seat upholstery made of artificial leather (soft and comfortable, washable and antibacterial) or soft-touch PU foam (extremely robust, washable and antibacterial) in black.
- Suitable for cleanrooms: Certified for the use in cleanrooms category 3 in accordance with ISO 14644-1.
- Adheres to biosafety level BSL1, BSL2 and BSL3 of the Directive for Biological Agents, GMP-conform.
- The backrest made of plastic with its 3D-Flex function automatically adapts to the movements of the user and therefore follows the upper body when leaning back or turning sideways.
- The Flex function on the front edge of the seat supports the forward-angled working which is typical for laboratory work.
- Its low weight and integrated handle provide maximum mobility and easy handling in the laboratory.
- Seat height adjustment by gas spring.
- Solid polished aluminium star base, flat design.
- The chrome-plated foot ring for the high chairs provides support through the wide tread area and can be easily and quickly adjusted in height.

Type	Material	Description	Seat height adjustment mm	Colour	PK	Cat. No.	Price GBP
Lab Chair	Artificial Leather	Castors	450-650	Blue	1	6.287 729	157.32
Lab Chair	Artificial Leather	Castors	450-650	Anthracite	1	6.287 730	157.32
Lab Chair	Artificial Leather	Castors	450-650	Orange	1	6.287 731	157.32
Lab Chair	PU Foam	Castors	450-650	Blue	1	6.287 732	157.32
Lab Chair	PU Foam	Castors	450-650	Anthracite	1	6.287 733	157.32
Lab Chair	PU Foam	Castors	450-650	Orange	1	6.287 734	157.32
Lab Chair	Artificial Leather	Glides, Foot Ring	520-770	Blue	1	6.287 735	195.47
Lab Chair	Artificial Leather	Glides, Foot Ring	520-770	Anthracite	1	6.287 736	195.47
Lab Chair	Artificial Leather	Glides, Foot Ring	520-770	Orange	1	6.287 737	195.47
Lab Chair	PU Foam	Glides, Foot Ring	520-770	Blue	1	6.287 738	195.47
Lab Chair	PU Foam	Glides, Foot Ring	520-770	Anthracite	1	6.287 739	195.47
Lab Chair	PU Foam	Glides, Foot Ring	520-770	Orange	1	6.287 740	195.47
Lab Chair	Artificial Leather	Stop and Go Gastors, Foot Ring	560-810	Blue	1	6.287 741	219.30
Lab Chair	Artificial Leather	Stop and Go Gastors, Foot Ring	560-810	Anthracite	1	6.287 742	219.30
Lab Chair	Artificial Leather	Stop and Go Gastors, Foot Ring	560-810	Orange	1	6.287 743	219.30
Lab Chair	PU Foam	Stop and Go Gastors, Foot Ring	560-810	Blue	1	6.287 744	219.30
Lab Chair	PU Foam	Stop and Go Gastors, Foot Ring	560-810	Anthracite	1	6.287 745	219.30
Lab Chair	PU Foam	Stop and Go Gastors, Foot Ring	560-810	Orange	1	6.287 746	219.30
Lab Stool	PU Foam	Castors	450-650	-	1	6.287 747	106.80
Multifunctional Armrests					1	6.287 748	60.58
Clip, writable					1	6.287 749	17.87



6.287 729



6.287 737



6.287 745



6.287 747



6.287 749

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