

english

Cleanroom Consumables
Clean. Pure. Sterile.

IAB

Reinraum-Produkte GmbH

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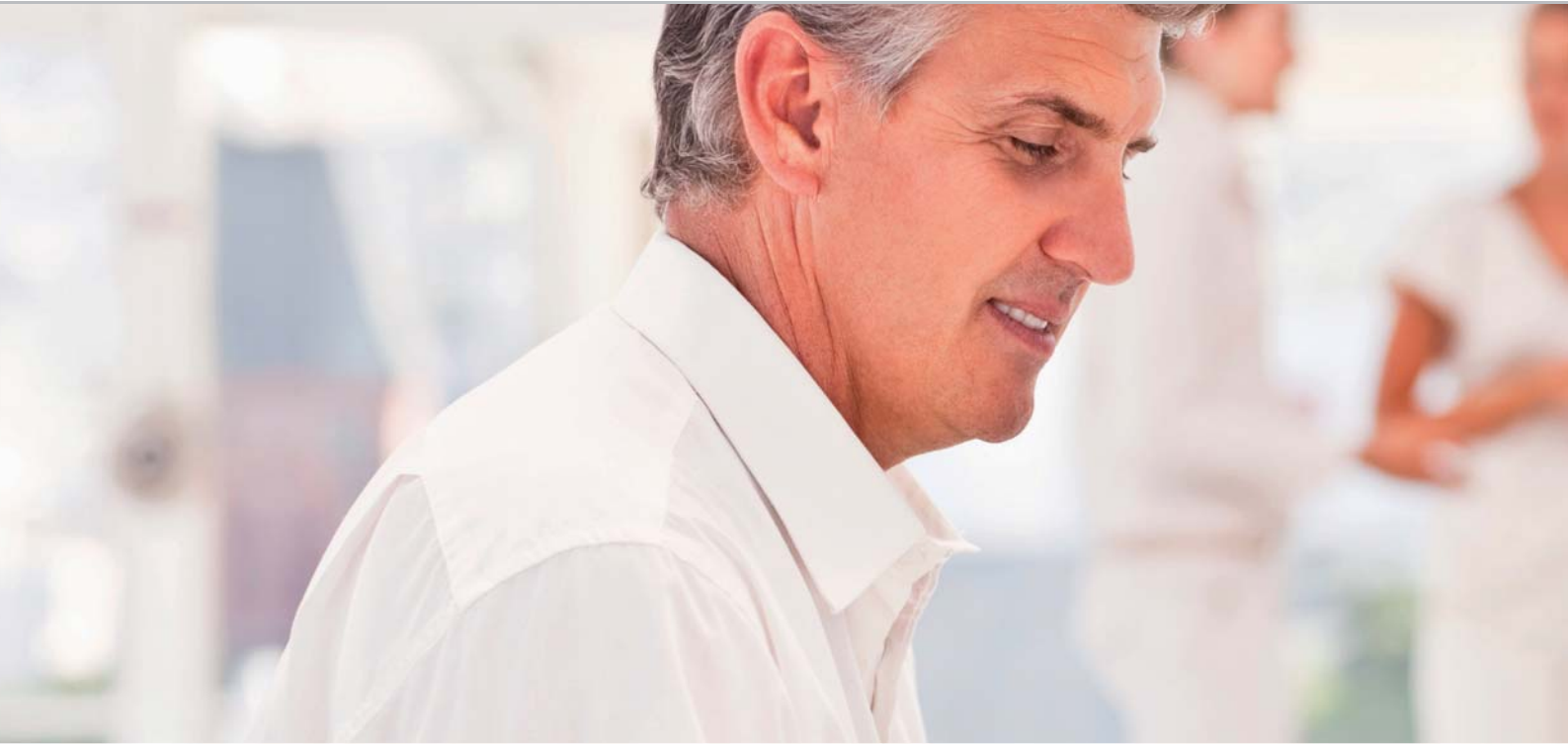
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IAB Reinraum-Produkte GmbH

IAB - Introduction

IAB Reinraum-Produkte GmbH stands for solutions in cleanrooms since 1982.

We are one of the leading suppliers of cleanroom consumable products, because of our longstanding experience and authority in this field.

Our primary objective is not only to provide you with our quality products quickly but also to help you to find possible solutions to any of your cleanroom problems which may arise.

Our company is certified according to DIN EN ISO 9001.

This catalogue will show you just a small selection of our product range.

There will always be some articles you may not find, but our expert consultants will be there to advise you. Let us help you to simplify and secure your processes.

You can rely on us when it comes to issues such as storage cost reductions, assortment optimization, global supply etc.

Our sales representatives are looking forward to sharing our expertise with you.



SERVICES

Storage Cost Reductions:

Our store provides the necessary capacity to suit your individual requirements.

Thus, products are dispatched within 24 hours.
Your storage costs are largely reduced.

Assortment Optimization:

We analyze your cleanroom accessories employed and will work out an individual proposal for the assortment optimization.

This allows for pooling and, consequently, achieving better purchase prices.

Our unique global manufacturer network enables us to find new alternatives, in addition to your products already in use.

E-Commerce:

You will have our support to optimize your processes!

We will be happy to supply our information by electronic data. Our consulting team will always be glad to help.

Inquiry:

Call us or use the request tool on our homepage:

www.iab-bs.de.

You will receive your quote fast and without obligation.

On-site Service:

Our experienced sales representatives will assist you whenever you need help.

Call us to arrange an appointment.

Cleanroom classes

ISO classification Number	Maximum concentration limits (particles/m ³ of air) for particles equal to and larger than the size shown below						Approx. Equivalent Fed. Std 209 E	Approx. Equivalent Fed. Std 209 D
	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				
ISO class 3	1.000	237	102	35	8		M 1,5	class 1
ISO class 4	10.000	2.370	1.020	352	83		M 2,5	class 10
ISO class 5	100.000	23.700	1.020	3.520	832	29	M 3,5	class 100
ISO class 6	1.000.000	237.000	102.000	35.200	8.320	293	M 4,5	class 1.000
ISO class 7				352.000	83.200	2.930	M 5,5	class 10.000
ISO class 8				3.520.000	832.000	29.300	M 6,5	class 100.000
ISO class 9				35.200.000	8.320.000	293.000	M 7,5	



Particles?! Ever-Present!

1 litre air next to a smoker contains up to 100.000.000 particles > 0,5 µm

1 litre air in the city (30 km/h zone) contains up to 500.000 particles > 0,5 µm

1 litre air at the North Pole contains up to 10.000 particles > 0,5 µm

By way of comparison:

1 litre air in a cleanroom class 100/ISO 5 contains max. 3.520 particles > 0,5 µm

1 litre air in a cleanroom class 1/ISO 3 contains max. 35 particles > 0,5 µm

GMP-Grades

Grade	at rest		in operation	
	Maximum permitted number of particles/m ³ equal to or above			
	0,5 µm	5,0 µm	0,5 µm	5,0 µm
A	3.500	0	3.500	0
B	3.500	0	350.000	2.000
C	350.000	2.000	3.500.000	20.000
D	3.500.000	20.000	Not defined	Not defined

Grade A:

The local zone for high risk operations, e.g. filling zone, stopper bowls, open ampoules and vials, making aseptic connections.

Normally such conditions are provided by a laminar air flow work station. Laminar air flow systems should provide a homogeneous air speed in a range of 0,45 m/s ± 20% (guidance value) at the working position in open cleanroom applications.

Grade B:

For aseptic preparation and filling, this is the background environment for the grade A zone.

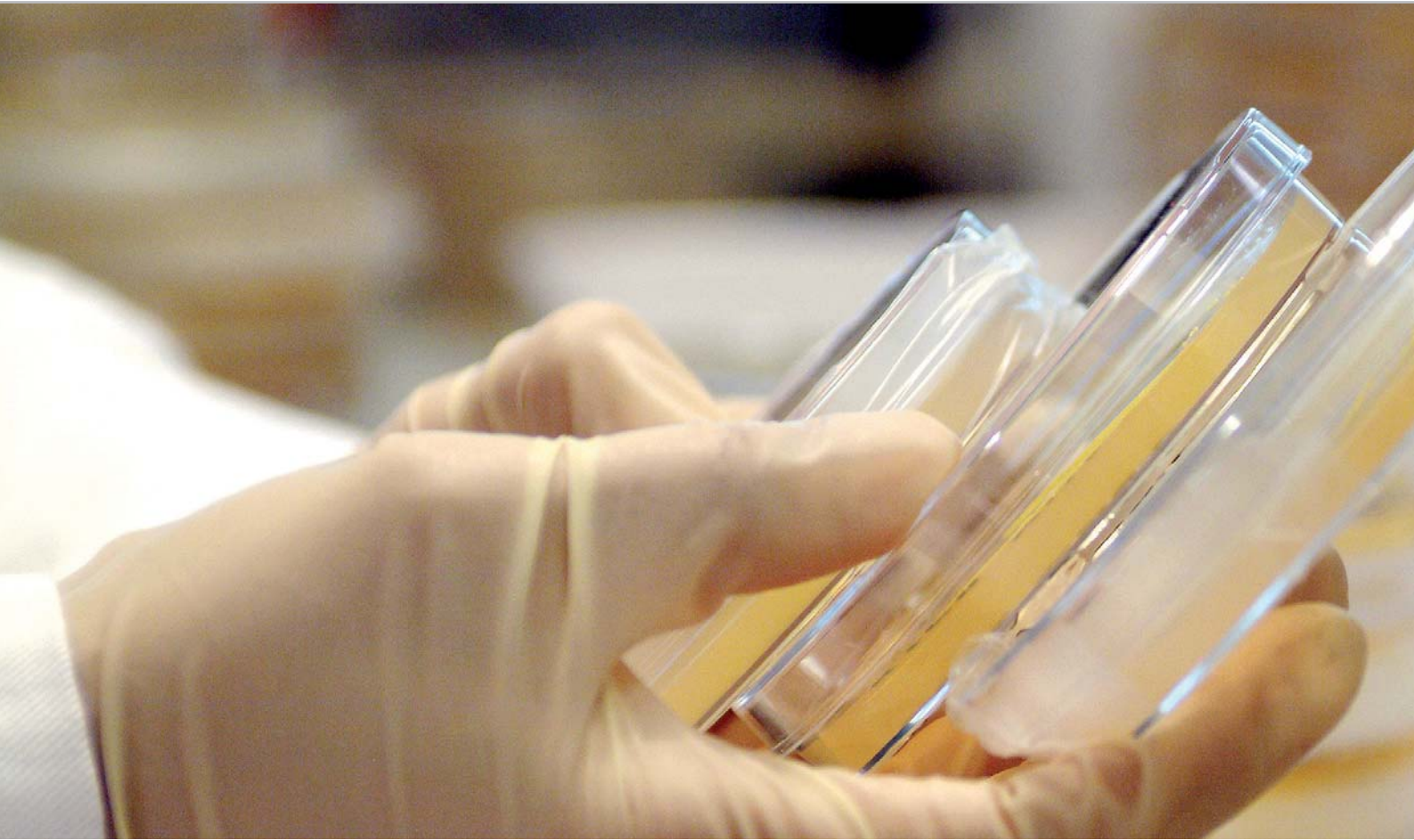
Grade C and D:

Clean areas for carrying out less critical stages in the manufacture of sterile products.



For the manufacture of sterile medicinal products four grades can be distinguished.

The maximum permitted airborne particle concentration for each grade is given in the above table.



Simtec Latex 300 mm

- class 100/ISO 5
- ambidextrous
- powder free, natural
- EN 455

unit: 10 bags/100 pieces

art.-no. 337030 – size S
art.-no. 337031 – size M
art.-no. 337032 – size L
art.-no. 337033 – size XL
art.-no. 337034 – size XXL



Riverstone Latex 290 mm

- class 100/ISO 5
- ambidextrous
- powder free, natural
- EN 455

Also available in class 10/ISO 4
unit: 10 bags/100 pieces

art.-no. 337530 – size S
art.-no. 337531 – size M
art.-no. 337532 – size L
art.-no. 337533 – size XL
art.-no. 337534 – size XXL



Ultra Latex 300 mm

- class 100/ISO 5
- hand specific
- powder free, natural
- EN 455

unit: 4 bags/50 pairs

art.-no. 330180 – size 6
art.-no. 330181 – size 6,5
art.-no. 330182 – size 7
art.-no. 330183 – size 7,5
art.-no. 330184 – size 8
art.-no. 330185 – size 8,5
art.-no. 330186 – size 9
art.-no. 330187 – size 10



The use of disposable gloves made of natural latex is specially recommended for work operations where high tensile strength, flexibility and high wearing comforts are required.

The good resistance to acids, alkalis and water stands in contrast to the poor aging qualities and the lack of resistance to hydrocarbons (oil).

We will be happy to advice you.



Latex Sterile 300 mm

- class 100/ISO 5
- hand specific
- powder free, natural
- EN 455

unit: 4 bags/50 pairs

- art.-no. 338600 – size 6
- art.-no. 338601 – size 6,5
- art.-no. 338602 – size 7
- art.-no. 338603 – size 7,5
- art.-no. 338604 – size 8
- art.-no. 338605 – size 8,5
- art.-no. 338606 – size 9
- art.-no. 338607 – size 10



Latex Sterile 400/600 mm

- class 10/ISO 4
- powder free, natural
- EN 455

length 400 mm

- ambidextrous
- unit: 20 bags/10 pairs
- art.-no. 338650 – size S - XL

length 600 mm

- hand specific
- unit: 10 bags/10 pairs
- art.-no. 338620 – size S - XL



Latex Examination-Glove 245 mm

- ambidextrous
- powder free, natural
- AQL 1,5
- EN 455

unit: 10 boxes/100 pieces

- art.-no. 337600 – size XS
- art.-no. 337601 – size S
- art.-no. 337602 – size M
- art.-no. 337603 – size L
- art.-no. 337604 – size XL

GLOVES Nitrile



Simtec Nitrile 300 mm

- class 100/ISO 5
- ambidextrous
- powder free, blue
- EN 455

unit: 10 bags/100 pieces

art.-no. 330500 – size S
art.-no. 330501 – size M
art.-no. 330502 – size L
art.-no. 330503 – size XL
art.-no. 330504 – size XXL



Riverstone Nitrile 290 mm

- class 10/ISO 4
- ambidextrous
- powder free, white
- EN 455

unit: 10 bags/100 pieces

art.-no. 330520 – size S
art.-no. 330521 – size M
art.-no. 330522 – size L
art.-no. 330523 – size XL
art.-no. 330524 – size XXL



OPT-XP Nitrile 300 mm

- ambidextrous
- powder free, purple
- EN420/EN 374 – cat. III

unit: 10 boxes/100 pieces

art.-no. 330560 – size XS
art.-no. 330561 – size S
art.-no. 330562 – size M
art.-no. 330563 – size L
art.-no. 330564 – size XL
art.-no. 330565 – size XXL



Nitriles are a group of chemical compounds.

Nitrile gloves are similar to latex gloves in carrying properties; they tend to conform to the shape of the wearer's hand after a few minutes and so increase the comfort.

There is no chance of Type 1 Allergic reactions, because nitrile gloves contain no latex proteins.

Nitrile gloves generally provide greater protection to a wider range of chemicals and oils than latex, as well as being very durable.



Nitrile Sterile 300 mm

- class 100/ISO 5
- hand specific
- powder free, white
- EN 455

unit: 4 bags/50 pairs

- art.no. 330530 – size 6
- art.no. 330531 – size 6,5
- art.no. 330532 – size 7
- art.no. 330533 – size 7,5
- art.no. 330534 – size 8
- art.no. 330535 – size 8,5
- art.no. 330536 – size 9
- art.no. 330537 – size 10



Nitrile Sterile 400/600 mm

- class 10/ISO 4
- hand specific
- powder free, white
- EN 455

length 400 mm

unit: 20 bags/10 pairs
art.no. 330593 – size 6-10

length 600 mm

unit: 10 bags/10 pairs
art.no. 330594 – size 6-10



Nitrile Examination-Glove 245 mm

- ambidextrous
- powder free, white
- AQL 1,5
- EN 455

unit: 10 boxes/100 pieces

- art.no. 330610 – size XS
- art.no. 330611 – size S
- art.no. 330612 – size M
- art.no. 330613 – size L
- art.no. 330614 – size XL

GLOVES Vinyl/PU



Vinyl 300 mm

- class 100/ISO 5
- ambidextrous
- powder free, natural
- EN 455

unit: 10 bags/100 pieces

art.no. 330200 – size S
art.no. 330201 – size M
art.no. 330202 – size L
art.no. 330203 – size XL



Vinyl Examination-Glove 245 mm

- ambidextrous
- powder free, natural
- EN 455

unit: 10 boxes/100 pieces

art.no. 330251 – size S
art.no. 330252 – size M
art.no. 330253 – size L
art.no. 330254 – size XL



PU Dailove H4

- ambidextrous
- powder free, black
- antistatic $10^3/10^6 \Omega$
- EN 455

unit: 5 pairs

art.no. 330145 – size S
art.no. 330146 – size M
art.no. 330147 – size L



Kevlar is the most modern aramid fibre by DuPont.

Kevlar has, based on its weight, the highest specific tensile strength of all commercially available fibres.

Kevlar is light, strong and heat resistant.

Kevlar gloves offer maximum protection against heat in controlled areas.



EN 407

Protection against heat and flames



HK-11

- back of hand polyester
- palm Kevlar
- antistatic
- heat-resistant up to 250°C
- length 240-270 mm

unit: 1 pair

art.no. 336019 – size M
 art.no. 336020 – size L
 art.no. 336021 – size XL
 art.no. 336022 – size XXL



HK-12

- back of hand and palm Kevlar
- antistatic
- heat-resistant up to 250°C
- length 250-260 mm

unit: 1 pair

art.no. 336025 – size L
 art.no. 336026 – size XL



TG-16

- back of hand with Beltron fibre every 5 mm
- palm Twaron fibre
- antistatic
- heat-resistant up to 280°C
- length 280 mm

unit: 1 pair

art.no. 336030 – size L
 art.no. 336031 – size XL
 art.no. 336032 – size XXL



Knitted Gloves



Cut-Resistant Glove Palm Fit 540D

- high performance polyethylene (HPPE)
- polyurethane coated palm
- white
- hand specific
- EN 388 – cat. II
- cut 2

unit: 20 bags/10 pairs

art.-no. 330076 – size M
art.-no. 330077 – size L
art.-no. 330078 – size XL



Assembly Grip Lite 265

- nylon seamless knit
- thin nitrile coated palm
- light blue
- hand specific
- EN 388 – cat. II

unit: 12 bags/10 pairs

art.-no. 330040 – size S
art.-no. 330041 – size M
art.-no. 330042 – size L
art.-no. 330043 – size XL



Inner Glove B0900

- nylon seamless knit
- white
- ambidextrous
- EN 388 – cat. I

unit: 20 bags/10 pairs

art.-no. 330012 – size S-L
art.-no. 330015 – size XL



Top Fit B0600

- nylon seamless knit
- polyurethane coated fingertips
- white
- hand specific
- EN 388 – cat. II

unit: 24 bags/10 pairs

art.-no. 330000 – size S
 art.-no. 330001 – size M
 art.-no. 330002 – size L
 art.-no. 330003 – size XL



Palm Fit B0500

- nylon seamless knit
- polyurethane coated palm
- white
- hand specific
- EN 388 – cat. II

unit: 24 bags/10 pairs

art.-no. 330004 – size S
 art.-no. 330005 – size M
 art.-no. 330006 – size L
 art.-no. 330007 – size XL



Fit B0610

- nylon seamless knit
- white
- ambidextrous
- EN 388 – cat. I

unit: 24 bags/10 pairs

art.-no. 330008 – size S
 art.-no. 330009 – size M
 art.-no. 330010 – size L
 art.-no. 330011 – size XL



Top Fit A0160

- nylon/acryl seamless knit
- surface resistance $10^5/10^7 \Omega$
- polyurethane coated fingertips
- hand specific
- EN 388 – cat. II

unit: 24 bags/10 pairs

art.-no. 330400 – size S
 art.-no. 330401 – size M
 art.-no. 330402 – size L
 art.-no. 330403 – size XL



Palm Fit A0170

- nylon/acryl seamless knit
- surface resistance $10^5/10^7 \Omega$
- polyurethane coated palm
- hand specific
- EN 388 – cat. II

unit: 24 bags/10 pairs

art.-no. 330405 – size S
 art.-no. 330406 – size M
 art.-no. 330407 – size L
 art.-no. 330408 – size XL



Fit A0150

- nylon/acryl seamless knit
- surface resistance $10^5/10^7 \Omega$
- hand specific
- EN 388 – cat. II

unit: 24 bags/10 pairs

art.-no. 330410 – size S
 art.-no. 330411 – size M
 art.-no. 330412 – size L
 art.-no. 330413 – size XL



Knitted Gloves

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Our knitted gloves offer optimum wearing comfort and provide excellent tactility.

These gloves are ideal for work where high tactile sensitivity and precision is required.

The circular knitting technology prevents unnecessary seams.

The polyurethane coating is particular suitable if you are working with smooth and slippery objects.

The uncoated back of the hand serves for better breathability. If working with electronic components, we recommend using the ESD version.



Half-Finger Inner Glove

- nylon seamless knit
- white
- ambidextrous
- EN 388 – cat. I

unit: 24 bags/10 pairs

art.no. 330016 – women size
art.no. 330017 – men size



Hand-Top

- nylon seamless knit
- polyurethane coated fingertips
- white
- hand specific
- EN 388 – cat. II

unit: 24 bags/10 pairs

art.-no. 330045 – size S
 art.-no. 330046 – size M
 art.-no. 330047 – size L
 art.-no. 330048 – size XL
 art.-no. 330049 – size XXL



Hand-Palm

- nylon seamless knit
- polyurethane coated palm
- white
- hand specific
- EN 388 – cat. II

unit: 24 bags/10 pairs

art.-no. 330020 – size S
 art.-no. 330021 – size M
 art.-no. 330022 – size L
 art.-no. 330023 – size XL
 art.-no. 330024 – size XXL



Hand-Fit

- nylon seamless knit
- white
- ambidextrous
- EN 388 – cat. I

unit: 24 bags/10 pairs

art.-no. 330030 – size S
 art.-no. 330031 – size M
 art.-no. 330032 – size L
 art.-no. 330033 – size XL
 art.-no. 330034 – size XXL



Ampere

- 80% nylon/20% copper seamless knit
- surface resistance $10^7 \Omega$
- polyurethane coated fingertips
- hand specific
- EN 388 – cat. II

unit: 24 bags/10 pairs

art.-no. 330105 – size S
 art.-no. 330106 – size M
 art.-no. 330107 – size L
 art.-no. 330108 – size XL
 art.-no. 330109 – size XXL



Volt

- 80% nylon/20% acryl seamless knit
- surface resistance $10^7 \Omega$
- polyurethane coated palm
- hand specific
- EN 388 – cat. II

unit: 24 bags/10 pairs

art.-no. 330155 – size S
 art.-no. 330156 – size M
 art.-no. 330157 – size L
 art.-no. 330158 – size XL
 art.-no. 330159 – size XXL



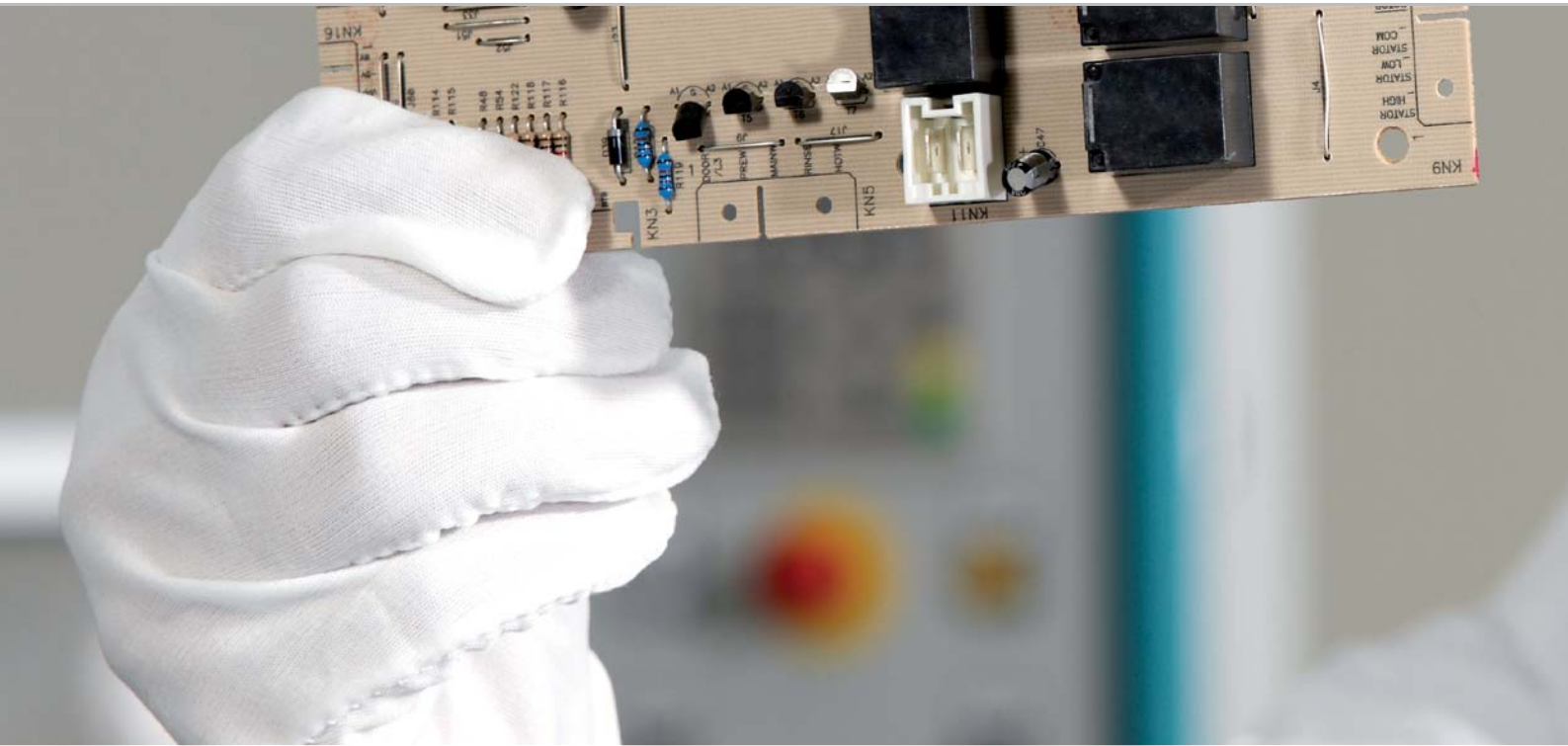
Edison

- 80% nylon/20% acryl seamless knit
- surface resistance $10^7 \Omega$
- hand specific
- EN 388 – cat. I

unit: 24 bags/10 pairs

art.-no. 330100 – size S
 art.-no. 330101 – size M
 art.-no. 330102 – size L
 art.-no. 330103 – size XL
 art.-no. 330104 – size XXL

GLOVES Polyester



Electronic Gloves (cut + sewn)



Yuko

- back and palm:
polyester with carbon fibre
every 10 mm
- hand specific – length 280 mm
- EN 388

unit: 24 bags/10 pairs

art.no. 335200 – size S
art.no. 335201 – size M
art.no. 335202 – size L
art.no. 335203 – size XL



Yukari

- back and palm:
polyester with carbon fibre
every 5 mm
- hand specific – length 280 mm
- EN 388

unit: 24 bags/10 pairs

art.no. 335160 – size S
art.no. 335161 – size M
art.no. 335162 – size L
art.no. 335163 – size XL



Mika

- back: polyester with carbon
fibre every 10 mm
- palm: cotton with carbon fibre
every 5 mm and PVC-dots
- hand specific – length 280 mm
- EN 388

unit: 24 bags/10 pairs

art.no. 335240 – size S
art.no. 335241 – size M
art.no. 335242 – size L
art.no. 335243 – size XL



Cut + sewn polyester gloves are a very good and economical alternative to our ESD nylon gloves. Due to a woven-in carbon filament, the gloves offer superior conductivity. In addition, they are also suitable for usage in cleanrooms.

The typical resistance to ground-point is $RG \leq 10 \Omega$.

Electrostatic discharges can cause damage in microelectronic devices, because in relation to the mass, the energy of a static discharge in a semiconductor compares to lightning striking a tree.



Kazuyo

- back: polyester with carbon fibre every 10 mm
- palm: cotton with carbon fibre every 5 mm and PVC-dots
- hand specific – length 280 mm
- knitted cuffs
- EN 388

unit: 24 bags/10 pairs

art.-no. 335250 – size S
 art.-no. 335251 – size M
 art.-no. 335252 – size L
 art.-no. 335253 – size XL



Megumi

- back: polyester with carbon fibre every 10 mm
- palm: polyester with polyurethane coating
- hand specific – length 280 mm
- EN 388

unit: 24 bags/10 pairs

art.-no. 335230 – size S
 art.-no. 335231 – size M
 art.-no. 335232 – size L
 art.-no. 335233 – size XL



Naomi

- back: polyester with carbon fibre every 10 mm
- palm: microfibre with polyurethane coating
- hand specific – length 280 mm
- EN 388

unit: 24 bags/10 pairs

art.-no. 335260 – size S
 art.-no. 335261 – size M
 art.-no. 335262 – size L
 art.-no. 335263 – size XL



Trionic

An exclusive tripolymer mix 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 4 class
- ✓ Extensive range adapted to all applications: wide cuff for double-gloving, extended length to protect the forearm and orange colour (518) for colour-coding

Applications

Electronics: manufacturing integrated circuits, manufacturing semi-conductors, handling of silicon wafers in acid baths.
Laboratories: blending, handling and transport of chemicals, handling under fume hood.

Stansolv

The chemical protection of nitrile combined with excellent mechanical resistance.

- ✓ Manufacturing process guarantees a very low level of contaminants: rates of particles, non-volatile residue, extractables, compatible with ISO 4 class
- ✓ Optimal dexterity without compromising chemical resistance
- ✓ Better resistance than natural latex gloves against organic solvents
- ✓ Recommended for people sensitive to the proteins in natural latex

Applications

All applications requiring a reduced incidence of particles and extractables, combined with resistance to solvents, abrasion and puncture: silicon handling, production of ultra-pure chemicals, solvent handling, and blending operations.



i



EN 374

Protection against bacteriological contamination.



EN 374

Protection against chemical risks (approved according to EN.374-1: 2003 5.2.1).



EN 388

Protection against mechanical risks.



Trionic 517

- class 10/ISO 4
- latex/neoprene/nitrile mix
- powder free, natural
- thickness 0,50 mm
- length 360 mm
- EN 374 – cat. III

unit: 6 bags/12 pairs

art.no. 330120 – size 7
 art.no. 330121 – size 8
 art.no. 330122 – size 9
 art.no. 330123 – size 10



Trionic 522

- class 10/ISO 4
- latex/neoprene/nitrile mix
- powder free, natural
- thickness 0,50 mm
- length 610 mm
- EN 374 – cat. III

unit: 8 bags/6 pairs

art.no. 330126 – size 8
 art.no. 330127 – size 9
 art.no. 330128 – size 10



Stansolv 519

- class 10/ISO 4
- nitrile
- powder free, green
- thickness 0,30 mm
- length 330 mm
- EN 374 – cat. III

unit: 6 bags/12 pairs

art.no. 330430 – size 7
 art.no. 330431 – size 8
 art.no. 330432 – size 9
 art.no. 330433 – size 10

FINGER COTS



Nitrile

- class 100/ISO 5
- powder free, white
- EN 455

unit: 20 bags/1.440 pieces

art.-no. 380040 – size S
art.-no. 380041 – size M
art.-no. 380042 – size L
art.-no. 380043 – size XL



Latex natural

- class 100/ISO 5
- powder free, natural
- EN 455

unit: 20 bags/720 pieces

art.-no. 380000 – size S
art.-no. 380001 – size M
art.-no. 380002 – size L
art.-no. 380003 – size XL



Latex antistatic

- class 100/ISO 5
- powder free, pink
- EN 455

unit: 20 bags/720 pieces

art.-no. 380005 – size S
art.-no. 380006 – size M
art.-no. 380007 – size L
art.-no. 380008 – size XL



Latex conductive

- class 100/ISO 5
- powder free, black
- surface resistance $10^6/10^8 \Omega$
- EN 455

unit: 20 bags/1.440 pieces

art.-no. 380015 – size S
art.-no. 380016 – size M
art.-no. 380017 – size L
art.-no. 380018 – size XL

PVA SPONGES



Our PVA Sponges consist of specially processed polyurethane.

Unlike an ordinary urethane sponge, our PVA Sponge has high hydrophilic property. Because pores run in all directions, a capillary effect occurs, whereby creating excellent water absorption and retention.

Once in contact with a fluid, our PVA Sponge starts absorbing the fluid at high speed, drawing it inside right before your very eyes.

When wet, our PVA Sponge is soft and elastic. Its pliant nature is suitable for washing hard disks and silicon wafers in industrial applications.



E-1

- condition: dry
- pore size 130 μ
- 230 x 230 x 1 mm

unit: 40 bags/10 pieces

art.-no. 361000

E-2

- condition: dry
- pore size 130 μ
- 230 x 230 x 2 mm

unit: 40 bags/5 pieces

art.-no. 361002



D-2

- condition: dry
- pore size 80 μ
- size 230 x 230 x 2 mm

unit: 40 bags/5 pieces

art.-no. 361003



D-3

- condition: wet
- pore size 80 μ
- size 125 x 85 x 35 mm

unit: 75 pieces

art.-no. 361004

WIPES Polyester



IAB



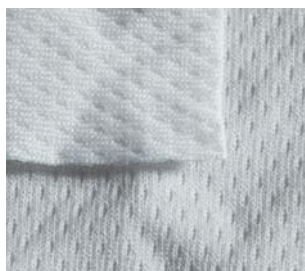
LTK 2010

- class 10/ISO 4
- knitted
- 100 % polyester 160 g/m²
- 229 x 229 mm

unit: 10 bags/150 pieces

art.-no. 370092

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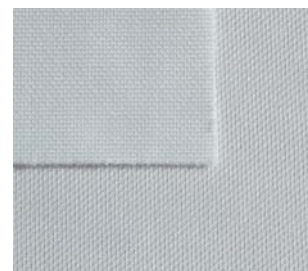
LTK 2080

- class 10/ISO 4
- knitted
- 100 % polyester 220 g/m²
- 229 x 229 mm

unit: 10 bags/100 pieces

art.-no. 370091

LYM●TECH®



Purity Wipe 7225

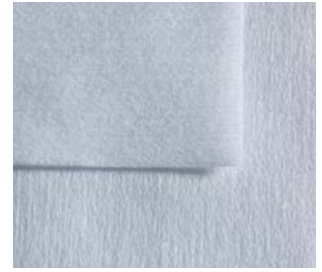
- class 10/ISO 4
- knitted
- 100 % polyester 136 g/m²
- 305 x 305 mm

unit: 4 bags/100 pieces

art.-no. 370011



LYMTECH®



C3

- class 10/ISO 4
- nonwoven
- 100 % polyester 68 g/m²
- 229 x 229 cm

unit: 8 bags/300 pieces

art.-no. 370017

BEMCOT™



Bemcot Labo

- nonwoven
- 100 % cellulose 3,5 g/m²
- 190 x 210 mm

unit: 60 boxes/90 pieces

Art.No. 370002

BEMCOT™



Bemcot M3-II

- nonwoven
- 100 % cellulose 28 g/m²
- 250 x 250 mm

unit: 30 bags/100 pieces

art.-no. 370000

BEMCOT™



Clean Wipe-P

- nonwoven
- 100 % cellulose 3,5 g/m²
- 100 x 210 mm

unit: 60 boxes/300 pieces

art.-no. 370001

WIPES Polyester-Cellulose



LYM●TECH®



C1

- class 100/ISO 5
- 45% polyester/
55% cellulose/71 g/m²
- nonwoven

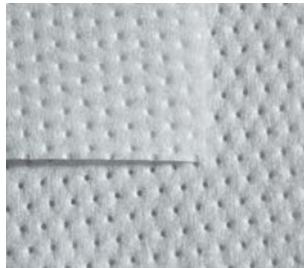
229 x 229mm

unit: 12 bags/300 pieces
art.-no. 370028

305 x 305 mm

unit: 18 bags/150 pieces
art.-no. 370029

LYM●TECH®



Compo Wipe 7408

- class 100/ISO 5
- 45% polyester/
55% cellulose/135 g/m²
- nonwoven

102x102 mm

unit: 12 bags/400 pieces
art.-no. 370008

203x229mm

unit: 12 bags/100 pieces
art.-no. 370010

279x305 mm

unit: 14 bags/100 pieces
art.-no. 370009

CONTEC®



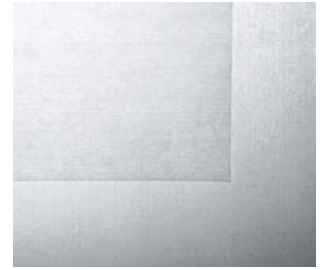
Amplitude EcoCloth

- class 1.000/ISO 6
- 45% polyester/
55% cellulose/57 g/m²
- nonwoven
- 457 x 457 mm

unit: 10 bags/75 pieces
Art.-Nr. 370031



DuPont™
Sontara®

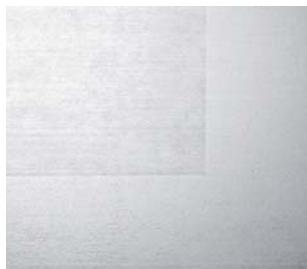


Sontara MicroPure AP

- class 1.000/ISO 6
- 45 % polyester/
55 % cellulose/68 g/m²
- nonwoven
- 224 x 224 mm

unit: 20 bags/300 pieces
art.-no. 370202

CHICOPEE

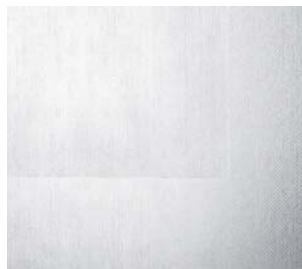


KO-TON

- 65% rayon (viscose) fibre/
35% polyester
- nonwoven
- 320 x 340 mm

unit: 8 bags/100 pieces
art.-no. 370004

CHICOPEE

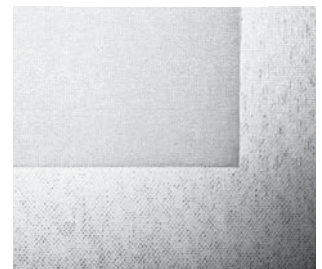


TRIKO-TEX

- 97% rayon (viscose) fibre/
3% polymer-binder
- nonwoven
- 430 x 530 mm

unit: 8 bags/50 pieces
art.-no. 370042

DuPont™
Sontara®



Sontara MicroPure 100

- class 100/ISO 5
- 53,5% polyester/
46,5% cellulose/56 g/m²
- nonwoven
- 224 x 224 mm

unit: 20 bags/300 pieces
art.-no. 370206

WIPES pre-wetted



PROSAT 911

- class 100/ISO 5
- polypropylene
- 70 % IPA / 30% DI-water
- 279 x 229 mm

unit: 50 bags/30 pieces
art.-no. 370012

unit: 40 bags/50 pieces
art.-no. 370045



PROSAT 911EB sterile

- class 100/ISO 5
- polypropylene
- 70 % IPA / 30% DI-water
- 279 x 229 mm

unit: 48 bags/30 pieces
art.-no. 370013



PROSAT 16/17 sterile

- class 100/ISO 5
- polypropylene
- 70 % IPA / 30% DI-water
- 410 x 430 mm

unit: 15 bags/50 pieces
art.-no. 370037

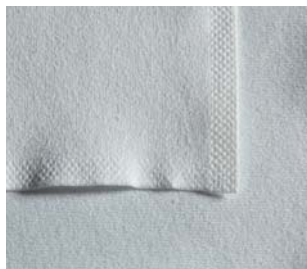


Wipes are a very important accessory in the cleaning of cleanrooms. It is difficult to find the suitable wipes, because of the high requirements.

In our table you find products which have been approved of in controlled zones. Cleanroom wipes can cause high expenditures. That is the reason for us to offer only high quality products at an economical price.

Our experienced consulting team will be glad to help you finding the suitable wipes for your purposes.

IAB



LTK 3000 A

- class 10/ISO 4
- 100% polyester 180 g/m²
- thermo welded edges
- 229 x 229 mm

unit: 10 bags/10 pieces
art.-no. 370090

IAB



PRT-2091NV

- class 10/ISO 4
- polyester/nylon 240 g/m²
- laser cut edges
- 229 x 229 mm

unit: 10 bags/50 pieces
art.-no. 370071

IAB

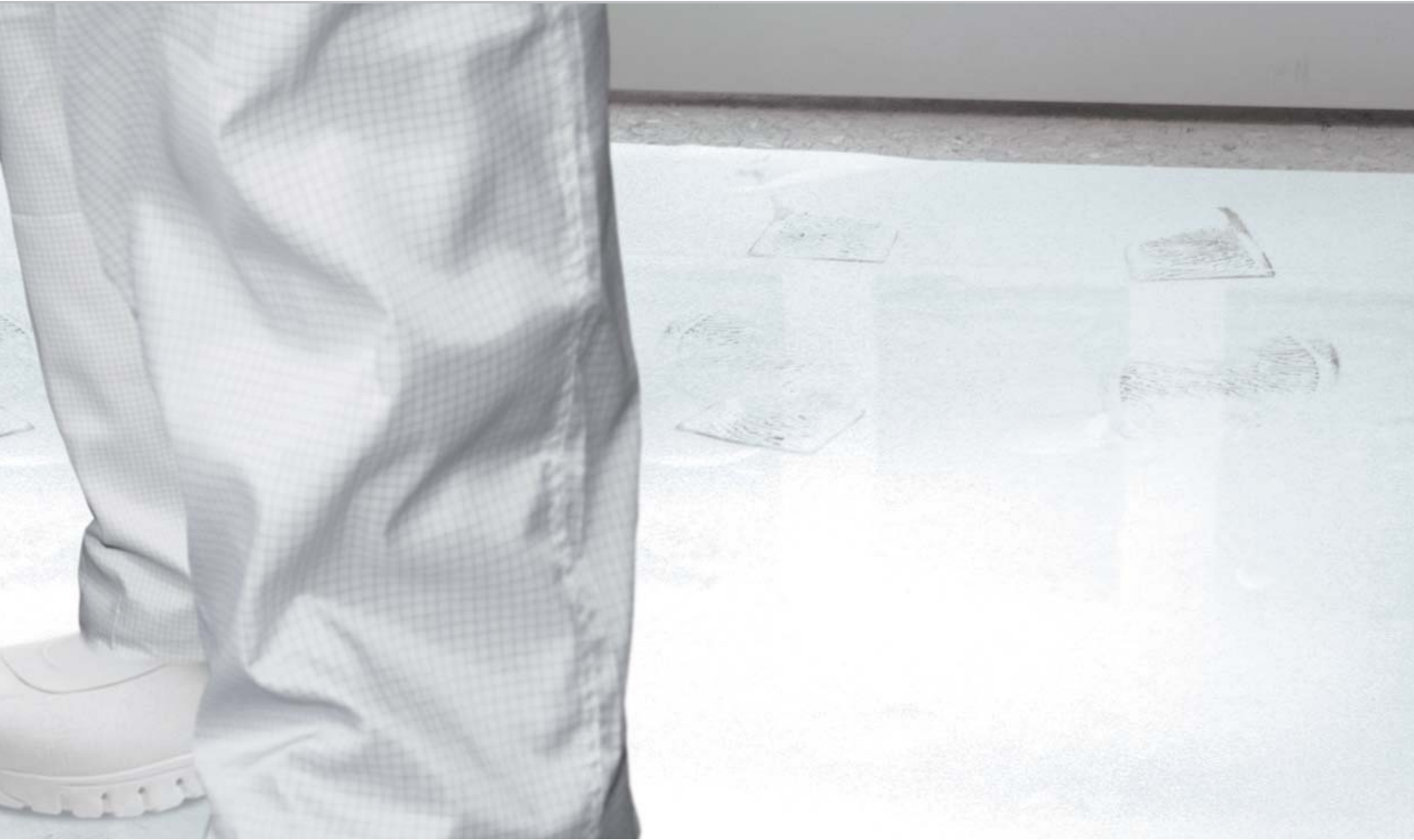


Prima blue

- 70 % polyester/
30 % polyamide 430 g/m²
- trimmed edges
- 400 x 400 mm

unit: 20 bags/10 pieces
art.-no. 370060

PERMANENT MATS



i

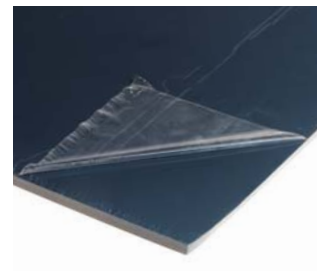
Attention:

SBM material has a standard of approx. 6 mm and is suitable for pedestrian and machinery flow.

SBM material of about 3 mm thickness is recommended for light pedestrian flow only, and, for example, can be used as a simple contamination barrier.

SBM TACKY MATS are able to attract, collect and retain contamination, particles and microbes better than any other known tacky mat.

- ✓ SBM is a new plastic material permanent sticky without glue and impregnation. The stickiness is a firm characteristic of the material.
- ✓ SBM does not emit any plasticizers or any other chemical substances unwanted in clinical areas.
- ✓ SBM mats are easy to clean. Simply wash with a sponge and soapy solution, and afterwards dry off with a squeegee blade.
- ✓ The original tackiness will be back when dry.
- ✓ SBM mats can be treated with all common disinfecting agents.
- ✓ No special underground or fixtures are needed.



Permanent Mats

- permanent tackiness
- SBM – thickness 3mm or 6 mm
- dark-blue

120 x 60 cm x 3 mm
art.-no. 350180

100 x 100 cm x 3 mm
art.-no. 350182

120 x 60 cm x 6 mm
art.-no. 350181

100 x 100 cm x 6 mm
art.-no. 350183



Adhesive Mats white

- standard tackiness
- PVC
- 30 layers

unit: carton/4 mats

45 x 114 cm

art.-no. 350102

66 x 114 cm

art.-no. 350100



Adhesive Mats white

- high tackiness
- PVC
- 30 layers
- 66 x 114 cm

unit: carton/4 mats

art.-no. 350101



Adhesive Mats blue

- standard tackiness
- PVC
- 30 layers
- 66 x 114 cm

unit: carton/4 mats

art.-no. 350104



Peel-off adhesive mats have proven themselves effective as an ideal device for cleaning shoe soles and cart wheels in controlled areas.

Microelectronics, pharmaceuticals or food processing - they all use peel-off adhesive mats as a reliable dust barrier.

These mats are made of a polyethylene film coated with environment-friendly „water-borne acrylic adhesive“.

Due to our special coating process the adhesive power is such that only dust and particles will stick to the mat.

When the upper sheet becomes loaded with contamination, it is easily peeled off, exposing a new clean sheet for use.

As an alternative to permanent mats, peel-off adhesive mats eliminate time-consuming cleaning and reduce the costs.

**Additional colours and sizes are available on request.
Minimum qty. 20 cases with 4 mats each.**



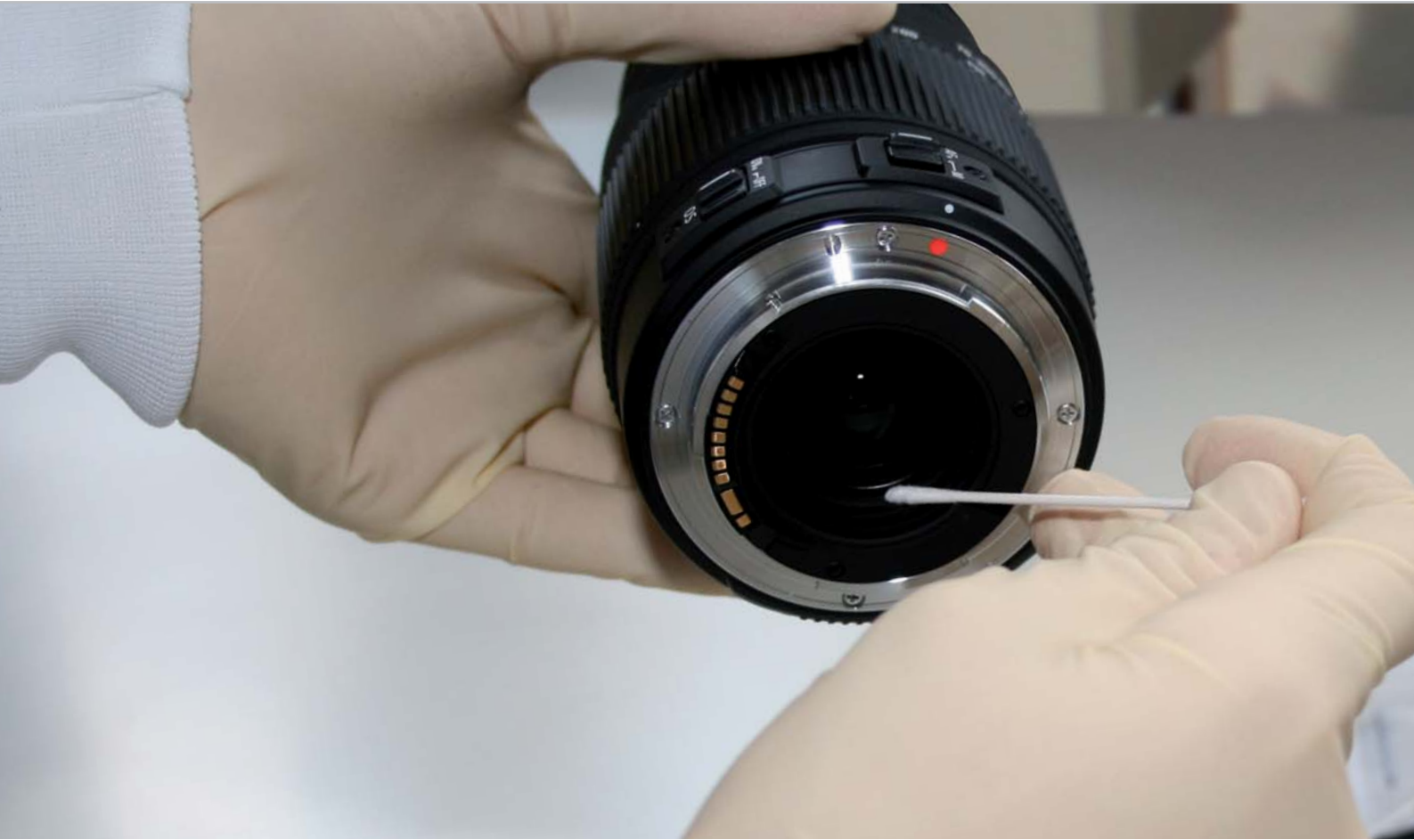
ESD-Adhesive Mats white

- standard tackiness
- surface resistance $10^9-10^{11} \Omega$
- polyethylene film 0,045 mm
- water-borne acrylic adhesive
- RoHS-conform
- 30 layers
- 66 x 114 cm

unit: carton/4 mats

art.-no. 350110

SWABS



Cotton



Huby-340 CA-003

tip: double \varnothing 5,00 x 13,00 mm
handle: pressed cotton \varnothing 2,46 x 73,00 mm

art.-no. 360007

unit: 1.250 pieces



Huby-340 CA-006

tip: single \varnothing 4,60 x 16,00 mm
handle: wood \varnothing 2,20 x 148,00 mm

art.-no. 360015

unit: 1.000 pieces



Huby-340 CA-008

tip: double \varnothing 5,00 x 13,00 mm
handle: pressed cotton \varnothing 2,46 x 146,00 mm

art.-no. 360012

unit: 20 bags/1.000 pieces



Huby-340 CA-005

tip: single \varnothing 2,30 x 16,00 mm
handle: pressed cotton \varnothing 1,52 x 146,00 mm

art.-no. 360010

unit: 20 bags/2.500 pieces



W/T/L = Width/Thickness/
Length
W/T/OL = Width/Thickness/
Over all Length

This is a small selection only.

Other options are available
on request.



Polyester

PS 3910

class 10/ISO 4

tip: polyester 7,50/ 3,00/ 16,00 mm (W/T/L)
handle: polypropylene 3,20/148,00/164,00 mm (W/T/OL)
10 x 10⁹Ω

art.-no. 360910 unit: 10 x 500 pieces



PS 3911

class 10/ISO 4

tip: polyester 13,00/ 3,00/ 24,00 mm (W/T/L)
handle: polypropylene 5,20/97,00/121,00 mm (W/T/OL)
10 x 10¹⁰Ω

art.-no. 360911 unit: 50 x 100 pieces



PS 3912

class 10/ISO 4

tip: polyester 3,20/ 2,20/10,00 mm (W/T/L)
handle: polypropylene 2,20/60,00/70,00 mm (W/T/OL)
10 x 10¹⁰Ω

art.-no. 360912 unit: 50 x 500 pieces



PS 3605

tip: polyester 5,15/ - / 19,82 mm (W/T/L)
handle: polypropylene 3,17/ - /152,28 mm (W/T/OL)

art.-no. 360021 unit: 10 x 100 pieces

SWABS

Polyurethan



PU 3920

class 10/ISO 4

tip: polyurethan 3,20/ 3,20/ 10,00 mm (W/T/L)
handle: polypropylene 2,50/ 66,00/ 76,00 mm (W/T/OL)
 $10 \times 10^9 \Omega$

art.-no. 360920 unit: 50 x 500 pieces



PU 3921

class 10/ISO 4

tip: polyurethan 6,80/ 5,00/ 18,00 mm (W/T/L)
handle: polypropylene 3,00/ 74,00/ 92,00 mm (W/T/OL)
 $10 \times 10^{10} \Omega$

art.-no. 360921 unit: 10 x 500 pieces



PU 3922

class 10/ISO 4

tip: polyurethan 3,60/ 3,50/ 12,00 mm (W/T/L)
handle: polypropylene 3,00/ 59,00/ 71,00 mm (W/T/OL)
 $10 \times 10^{10} \Omega$

art.-no. 360922 unit: 50 x 500 pieces



PU 3923

class 10/ISO 4

tip: polyurethan 16,00/ 8,00/ 25,00 mm (W/T/L)
handle: polypropylene 6,60/ 106,00/ 131,00 mm (W/T/OL)
 $10 \times 10^{10} \Omega$

art.-no. 360923 unit: 50 x 50 pieces



PU 1876-PFB

tip: polyurethan 4,77/ - / 15,08 mm (W/T/L)
handle: polypropylene 3,05/ - / 152,28 mm (W/T/OL)

art.-no. 360009 unit: 2 x 500 pieces

ESD



1806-PF ESD

tip: polyurethan
 $10^{11} \Omega$ 4,70/ - / 15,80 mm (W/T/L)
handle: polypropylene 2,54/ - / 152,00 mm (W/T/OL)
 $10^{11} \Omega$

art.-no. 360052 unit: 20 x 50 pieces



1273-PF ESD

tip: polyurethan
 $10^{11} \Omega$ 4,00/ - / 14,30 mm (W/T/L)
handle: polypropylene 2,30/ - / 67,50 mm (W/T/OL)
 $10 \times 10^{10} \Omega$

art.-no. 360051 unit: 20 x 50 pieces





Chemical Resistance of the Head Material

Chemicals	Material of head Polyurethan	Material of head Polyester	Material of head Cotton
Acetone	x	xx	x
Acetic Acid	xx	xx	x
Ammonia anhydrous	xx	xx	x
Aniline	x	xx	x
Benzene	x	xx	xx
Carbon Tetrachloride	x	xx	-
Chloroform	x	xx	xx
Chlorophenol	-	-	x
Chromic Acid	-	-	x
Cyclohexane	x	xx	x
Dimethylformamide	-	x	x
Dimethylsulfoxide	-	x	x
Ethylacetate	x	xx	x
Ethanol	xx	xx	x
Ethylchlorid	x	xx	x
Formic Acid	-	xx	x
Hexane	xx	xx	xx
Hydrochloric Acid 48%	-	-	x
Hydrogen Peroxide	-	xx	x
Isopropyl Alcohol	xx	xx	x
Methanol	x	xx	x
Methyl Ethyl Ketone	x	xx	x
Methylene Chloride	x	xx	x
Nitric Acid	-	-	x
Nitrobenzene	x	xx	x
Perchloroethylene	xx	xx	x
Phosphoric Acid 85 %	-	xx	x
Sulfuric Acid	-	-	-
Sodiumhydroxide 35 %	x	xx	x
Toluene	x	xx	xx
Trichloroethylene	x	xx	x
Vinyl Acetate	x	xx	x
Water	xx	xx	x
Xylene	x	xx	xx

- = no resistance, x = limited resistance, xx = high resistance

STATIONERY



Paper 80 g/m² DIN A4

- colour: white/light blue/green

class 100/ISO 5

unit: 10 x 250 sheets

art.-no. 342000 – white
art.-no. 342001 – light blue
art.-no. 342002 – green



Ring Notebook

- colour: white
- book 50 sheets/100 pages

class 100/ISO 5

unit: 1 piece
grid DIN A4
art.-no. 342015 –
grid DIN A5
art.-no. 342016
ruled DIN A4
art.-no. 342011
ruled DIN A5
art.-no. 342013



Pen

- colour: black
- other colours at request

class 100/ISO 5

unit: 12 pieces

art.-no. 390030

NEWSTACLEAN



Paper 72 g/m² DIN A4

- colour: light blue

for laserprinter and copier

class 100/ISO 5

DIN A4

unit: 10 x 250 sheets

art.-no. 340000

DIN A3

unit: 5 x 250 sheets

art.-no. 340002

DIN A5

unit: 20 x 250 sheets

art.-no. 340001

NEWSTACLEAN



Paper 100 g/m²

- colour: light blue

for laserprinter and copier

class 100/ISO 5

DIN A4

unit: 10 x 200 sheets

art.-no. 340003

DIN A3

unit: 5 x 200 sheets

art.-no. 340005

NEWSTACLEAN



Printer Paper continuous form 72 g/m²

- colour: light blue

for dot matrix printer

class 100/ISO 5

9,5 x 12"

unit: 2.000 sheets

art.-no. 340008

NEWSTACLEAN



Notebook DIN A4

- colour: light blue

- 32 sheets/64 pages

class 100/ISO 5

unit: 1 piece

grid

art.-no. 340010

ruled

art.-no. 340009

NEWSTACLEAN



Pocket-Notebook

- colour: light blue

- 20 sheets/40 pages

- 80 x 160 mm

class 100/ISO 5

unit: 1 piece

ruled

art.-no. 340014

NEWSTACLEAN



Sticky Notes

- colour: light blue

- 50 sheets

- 72 x 105 mm

class 100/ISO 5

unit: 30 pieces

art.-no. 340013

GARMENTS washable



Coat

- standard:
- fabric: Alsiclean 2000 white for class 10-100/ISO 4-5
 - raglan style
 - 2-way-zipper
 - knitted polyester cuffs
 - no pockets
 - studs for nametape

art.no. 311420 – size S
art.no. 311421 – size M
art.no. 311422 – size L
art.no. 311423 – size XL
art.no. 311424 – size XXL



Coverall

- standard:
- fabric: Alsiclean 2000 white for class 10-100/ISO 4-5
 - raglan style
 - 2-way-zipper
 - knitted polyester cuffs
 - no pockets
 - studs for nametape

art.no. 311430 – size S
art.no. 311431 – size M
art.no. 311432 – size L
art.no. 311433 – size XL
art.no. 311434 – size XXL



We know every cleanroom is different and that it may be difficult to find the right garments to fit your specific requirements, but our experienced staff will be there to advise you.

No matter if it is about the choice of fabric, design or suggestions for a smooth logistical flow, our team will be glad to assist in planning your individual concept.

A selection of our cleanroom fabrics you will find on page 41.



Hood

standard:

- fabric: Alsiclean 2000 white for class 10-100/ISO 4-5
- zipper front closure
- studs at the back to adjust the hood
- studs facemask

art.-no. 311442 – size S
art.-no. 311443 – size M
art.-no. 311444 – size L
art.-no. 311423 – size XL



Baseball-Cap

standard:

- fabric: Alsiclean 2000 white for class 10-100/ISO 4-5
- elastic at the back

art.-no. 311416 – unisex



Overshoes „Stefaan“

flat type

standard:

- fabric: Alsiclean 2000 white for class 10-100/ISO 4-5
- soft sole
- elastic at the top

art.-no. 311404 – size XS-L
art.-no. 311407 – size XL
art.-no. 311308 – size XXL

GARMENTS washable



Overshoe „Frans“

high type

standard:

- fabric: Alsiclean 2000 white for class 10-100/ISO 4-5
- soft sole
- elastic at the top

art.-no. 311403 – size XS-XXL



Boots „Simon“

high type

standard:

- fabric: Alsiclean 2000 white for class 10-100/ISO 4-5
- TPU sole
- with ribbon and metal studs at the top of the boot
- elastic at the top to tighten the boot around the calf

art.-no. 311450 – size S
art.-no. 311451 – size M
art.-no. 311452 – size L
art.-no. 311453 – size XL
art.-no. 311454 – size XXL



Teflon Apron

- chemicals and alkalis resistant
- unisex
- length 105 cm
- width 60 cm

art.-no. 390001

UNDERGARMENTS washable



For the available fabrics, please see page 41 item 3.

We will be pleased to provide you with fabric samples.



T-Shirt

standard:

- fabric Alsisandwash for class 100/ISO 5
- long sleeves
- round neck
- knitted polyester cuffs

art.-no. 311300 – size S-XXL

Trousers

standard:







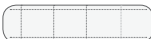
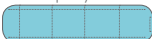








- fabric Alsisandwash for class 100/ISO 5
- drawstring waist
- knitted polyester cuffs at the bottom of the legs

art.-no. 311301 – size S-XXL




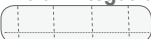


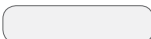



OUR STANDARD FABRIC/COLOURS












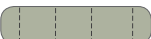

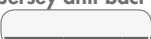
1. Cleanroom „class 10 - 100“ fabrics

1.1.	Alsipharma:	98% polyester/2% carbon fabric, 105g/m ² , plain weave with a carbon grid, micro-filament		
	 white	 light blue		
1.2.	Alsitrong:	99% polyester/1% carbon fabric, 110g/m ² , twill 3/2 with a carbon grid, micro-filament		
	 white	 light blue	 lemon green	 dark green
1.3.	Alsiclean:	99% polyester/1% carbon fabric, 100g/m ² , twill 2/1 with a carbon grid, micro-filament		
	 white	 light blue	 royal blue	 navy
1.4.	Alsi Anti-bact:	99% polyester/1% carbon fabric, 110g/m ² , twill 2/1 with a carbon grid, micro-filament, anti-bacterial yarn		
	 white	 light blue		
1.5.	Vektron 3005:	99% polyester/1% carbon fabric, 115g/m ² , twill 2/2 with a carbon grid, micro-filament		
	 blade blue	 green		
1.6.	Vektron 4003:	99% polyester/1% carbon fabric, 98g/m ² , plain weave with a carbon grid, micro-filament		
	 white	 light blue		

2. Cleanroom/Cleanarea „class 1.000 - 100.000“ fabrics

2.1.	Alsidoux:	99,5% pontella polyester/0,5% carbon, 100g/m ² , plain weave with a 10 mm carbon line		
	 white	 light blue		
2.2.	Cleantec®:	99,6% pontella polyester/0,4% carbon fabric, 150g/m ² , twill 2/1 with a carbon grid structure This fabric is also available with anti-acid finish!		
	 white			
2.3.	Linstat® Negastat®:	98% pontella polyester/2% carbon fabric, 170g/m ² , twill 2/1 with a 10 mm carbon grid		
	 white	 light blue		
2.4.	Startec 180:	65% polyester/33% cotton/2% metal yarns, 180g/m ² , plain weave with a 5 mm carbon grid		
	 white			
2.5.	Vektron 8200:	100% pontella polyester, 150g/m ² , plain weave		
	 white	 light blue	 navy	 green

3. Clean Air Suits

3.1.	Ostendia anti-static:	99% micro-polyester/1% carbon, 130g/m ² , plain weave with a carbon line			
	 ice blue	 royal blue	 deep green	 danish green	 red
3.2.	Toray anti-bact:	96% polyester/4% x-static, 90g/m ² , plain weave			
	 grey				
3.3.	Alsisandwash anti-static:	99% polyester/1% carbon fabric, 95g/m ² , plain weave with a 5 mm carbon line			
	 light blue	 navy	 grey	 beige	 khaki
3.4.	Jersey anti-bact & anti-static:	94% polyester/6% silveryarns, 133g/m ² , with a carbon yarn			
	 white				

SHOES



5200

- white
- smooth leather
- adjustable and foldable heel strap

- ESD dissipative according to DIN EN 61340

art.-no. 315617 - size 36-47



5300

- white
- smooth leather, perforated
- adjustable and foldable heel strap

- ESD dissipative according to DIN EN 61340

art.-no. 315500 - size 36-47



5310

- black
- smooth leather, perforated
- adjustable and foldable heel strap

- ESD dissipative according to DIN EN 61340

art.-no. 315562 - size 36-47



This catalogue will show just a small selection of our shoe range.

Further models on request. Please ask for the complete Abeba catalogue.



39600

- white (also blue, green and orange)
- autoclavable special material
- autoclavable at 121°C
- washable at 60°C
- foldable heel strap

- ESD/antistatic dissipative according to DIN EN 61340

art.-no. 315570 - size 35-46



32370

- white
- Lorica upper, breathable
- up to 30 times decontaminable
- air-cushion sole with high resistance to slip
- washable at 60°C

- ESD dissipative according to DIN EN 61340

art.-no. 315514 - size 35-40



31030

- white
- smooth leather
- adjustable heel strap with quick release
- elastic band over instep
- steel toe-cap

- ESD dissipative according to DIN EN 61340

art.-no. 315519 - size 35-48

DISPOSABLE COVERALLS



With Hood



Coverall Tyvek® classic

- white
- with hood
- zipper

unit: 4 bags/25 pieces

art.-no. 310000 – size S
art.-no. 310001 – size M
art.-no. 310002 – size L
art.-no. 310003 – size XL
art.-no. 310004 – size XXL
art.-no. 310005 – size XXXL



Coverall Tyvek®

- white
- with hood
- zipper

unit: 25 pieces

art.-no. 310040 – size S-XXL



Coverall Polypropylene (PP)

- white
- with hood
- zipper

unit: 50 pieces

art.-no. 310065 – size XL
art.-no. 310066 – size XXL
art.-no. 310067 – size XXXL

DISPOSABLE COVERALLS



Tyvek®

It is a unique and versatile material that is tough, yet extremely light and soft.

Tyvek is air and water vapour permeable, yet repels water-based liquids and aerosols. It acts as an excellent barrier against particles and fibres. It is low-linting and also antistatically treated.

Tyvek helps to protect processes and products against human contamination, as needed in the pharmaceutical or food industry.



Without Hood

		 
Coverall Tyvek® Industry <ul style="list-style-type: none">- white- without hood- zipper	Coverall Tyvek® class 100 class 100/ISO 5 <ul style="list-style-type: none">- white- without hood- zipper	Coverall Tyvek® <ul style="list-style-type: none">- white- without hood- zipper
unit: 100 pieces	unit: 25 pieces	unit: 25 pieces
art.-no. 310045 – size S art.-no. 310046 – size M art.-no. 310047 – size L art.-no. 310048 – size XL art.-no. 310049 – size XXL	art.-no. 310020 – size S art.-no. 310021 – size M art.-no. 310022 – size L art.-no. 310023 – size XL art.-no. 310024 – size XXL	art.-no. 310013 – size S-XXL

DISPOSABLE COVERALLS



Visitor Coat

- polypropylene (PP)
- white
- stud closure
- without pockets

unit: 50 pieces

art.no. 310050 – size XL
art.no. 310051 – size XXL



Coat Tyvek®

- white
- stud closure
- 3 pockets

unit: 25 pieces

art.no. 310025 – size M
art.no. 310026 – size L
art.no. 310027 – size XL
art.no. 310028 – size XXL

DISPOSABLE OVERSHOES



Sleeves Taptex

- 65% polyester/35 % polyethylene
- length 55 cm

unit: 300 pairs
art.-no. 310057

Sleeves Taptex

- 65% polyester/35 % polyethylene
- length 55 cm

unit: 100 pairs
art.-no. 310087



Overshoes flat Taptex

- 65% polyester/35 % polyethylene
- sole non-skid PU-coating
- unisex

unit: 200 pairs

art.-no. 310085



Overshoes high Taptex

- 65% polyester/35 % polyethylene
- sole non-skid PU-coating
- unisex

unit: 100 pairs

art.-no. 310086



Overshoes high Tyvek®

- nonwoven
- sole with anti-slip rubberized stripes
- unisex

unit: 200 pieces
art.-no. 310006

Overshoes high Tyvek®

unit: 50 pairs
art.-no. 310019



DISPOSABLE OVERSHOES



Overshoes blue

- light-weight type
- polyethylene (PE)
- flat style
- 15 x 41 cm

unit: 2.000 pieces

art.-no. 310008



Overshoes blue

- strong type
- polyethylene (PE)
- flat style
- 16 x 40 cm

unit: 1.000 pieces

art.-no. 310128



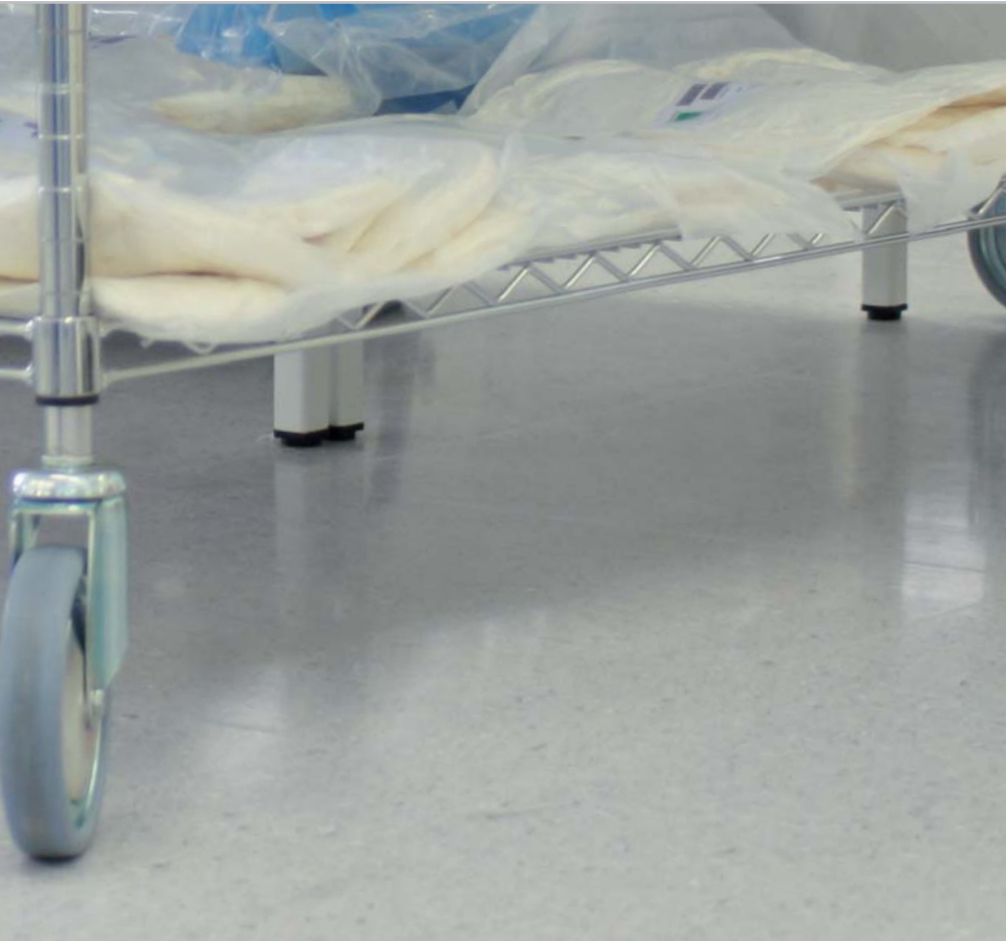
Overshoes white

- strong type
- polyethylene (PE)
- flat style
- 16 x 40 cm

unit: 1.000 pieces

art.-no. 310129

DISPOSABLE OVERSHOES



Overshoes conductive

- polypropylene (PP) blue
- flat style
- with carbon stripe
- 98% polyester/
2% conductive fabric
- $10^6/10^7 \Omega$
- 17 x 40 cm

unit: 300 pairs

art.-no. 310030



Overshoes white/blue

- polypropylene (PP) white
- flat style
- sole polyethylene (PE) blue
- 15 x 41 cm

unit: 1.000 pieces

art.-no. 310031



Overshoes white/white

- polypropylene (PP) white
- flat style
- sole polyethylene (PE) white
- 15 x 41 cm

unit: 1.000 pieces

art.-no. 310032



Overshoes antiskid

- polypropylene (PP) blue
- flat style
- sole with anti-skid coating
- 16 x 40 cm

unit: 1.000 pieces

art.-no. 310034

DISPOSABLE FACE MASKS



 **Kimberly-Clark**
PROFESSIONAL*



Kimtech Pure M3 #62465

- class 10/ISO 4
- nonwoven
- white, 3-layers, with ear loops
- outer facing with a lint free polyethylene apertured film
- latex and silicone free for a reduced risk of toxic reactions
- BICOSOF - inner facing for comfort and breathability
- ca. 175 x 90 mm

unit: 10 bags/50 pieces
art.-no. 320013

 **Kimberly-Clark**
PROFESSIONAL*



Kimtech Pure M3 #62466

- class 10/ISO 4
- nonwoven
- white, 3-layers, with ties
- outer facing with a lint free polyethylene apertured film
- latex and silicone free for a reduced risk of toxic reactions
- BICOSOF - inner facing for comfort and breathability
- ca. 175 x 90 mm

unit: 10 bags/50 pieces
art.-no. 320002

IAB



Cleanroom/Pharma class 100/ISO 5

- nonwoven
- white
- 3-layer
- with ear loops
- ca. 210 x 90 mm

unit: 40 bags/50 single bags
art.-no. 320001

DISPOSABLE FACE MASKS



Facemask with visor

- nonwoven
- white
- 3-layer
- with ties
- ca. 180 x 95 mm

unit: 100 pieces
art.-no. 320016

Facemask with visor



unit: 300 pieces
Art.-Nr. 320015

 **Kimberly-Clark**
PROFESSIONAL®



Procedure # 47090

- nonwoven
- white
- 3-layer
- with ear loops
- ca. 170 x 90 mm

unit: 10 boxes/50 pieces
art.-no. 320019

IAB



Facemask green ear loop

- nonwoven
- green
- 3-layer
- with ear loops
- ca. 175 x 95 mm

unit: 40 boxes/50 pieces
art.-no. 320010

IAB



Facemask green ties

- nonwoven
- green
- 3-layer
- with ties
- ca. 175 x 95 mm

unit: 40 boxes/50 pieces
art.-no. 320000

DISPOSABLES



Bouffant Caps

- nonwoven

unit: 1.000 pieces

60 cm Ø

art.-no. 310100 – white
art.-no. 310101 – green
art.-no. 310102 – blue

53 cm Ø

art.-no. 310105 – white
art.-no. 310106 – green
art.-no. 310107 – blue



Clip Caps

- nonwoven
- 60 cm Ø

unit: 1.000 pieces

art.-no. 310113 – white



Hairnets

- nonwoven
- big mesh
- 60 cm Ø

unit: 2.000 pieces

art.-no. 310110 – white



Goggles *sterile*

class 10/ISO 4

- PVC frame
- polycarbonate lens
- latex-free

unit: 10 per outer Tyvek bag

art.-no. 390040



Handle for Adhesive Rolls

- length handle 23 or 100 cm
- for adhesive rolls 23 cm wide

unit: 1 piece

23 cm Ø

art.-no. 390060

100 cm Ø

art.-no. 390061



Adhesive Roll

class 1000/ISO 6

- PE-film
 - blue or white
 - roll 23 cm x 18 meters
- unit: 1 piece

art.-no. 390055 – blue

art.-no. 390056 – white



Tape

class 1000/ISO 6

- PVC-film 0,15 mm
 - yellow
 - roll 5 cm x 33 meters
- unit: 1 piece

art.-no. 390051

CLEANING EQUIPMENT



Double Bucket Trolley

- for all cleanroom classes
- stainless steel
- 2 buckets with flat wringer

Dimensions:
length – 85 cm
width – 50 cm
height – 98 cm

art.-no. 370116



Cleaning Trolley Universal

- for grey areas
- stainless steel base frame
- 2 polypropylene buckets
- stainless steel wringer
- may be disassembled

Dimensions:
length – 62 cm
width – 55 cm
height – 86 cm

art.-no. 370120



Mop Frame

- stainless steel
- aluminium handle
- 40 x 10 cm

art.-no. 370111

GMP-conform
art.-no. 370112

For all Cleanroom Classes



Mop KING CR

- class 100/ISO 5
- 100 % polyester microfibre yarn
- washable and reusable
- autoclavable
- 40 x 10 cm

unit: 1 pieces

art.-no. 370110



Mop KING CR-MG

- class 10/ISO 4
- 100 % polyester microfibre yarn
- prewashed
- washable and reusable
- autoclavable
- 40 x 10 cm

unit: 1 pieces

art.-no. 370122



KING CR-Mop Cover

- class 100/ISO 5
- disposable cover with pore structure
- for semiconductor production
- 40 x 10 cm

unit: 1 pieces
art.-no. 370123

unit: 1 piece
sterile
art.-no. 370124



For Grey Areas



KING

- tufted polyester viscose mop
- washable and reusable
- 40 x 10 cm

unit: 1 piece

art.-no. 370125



MicroMop PPS

- microfibre 100 % PES
- washable and reusable
- 40 x 10 cm

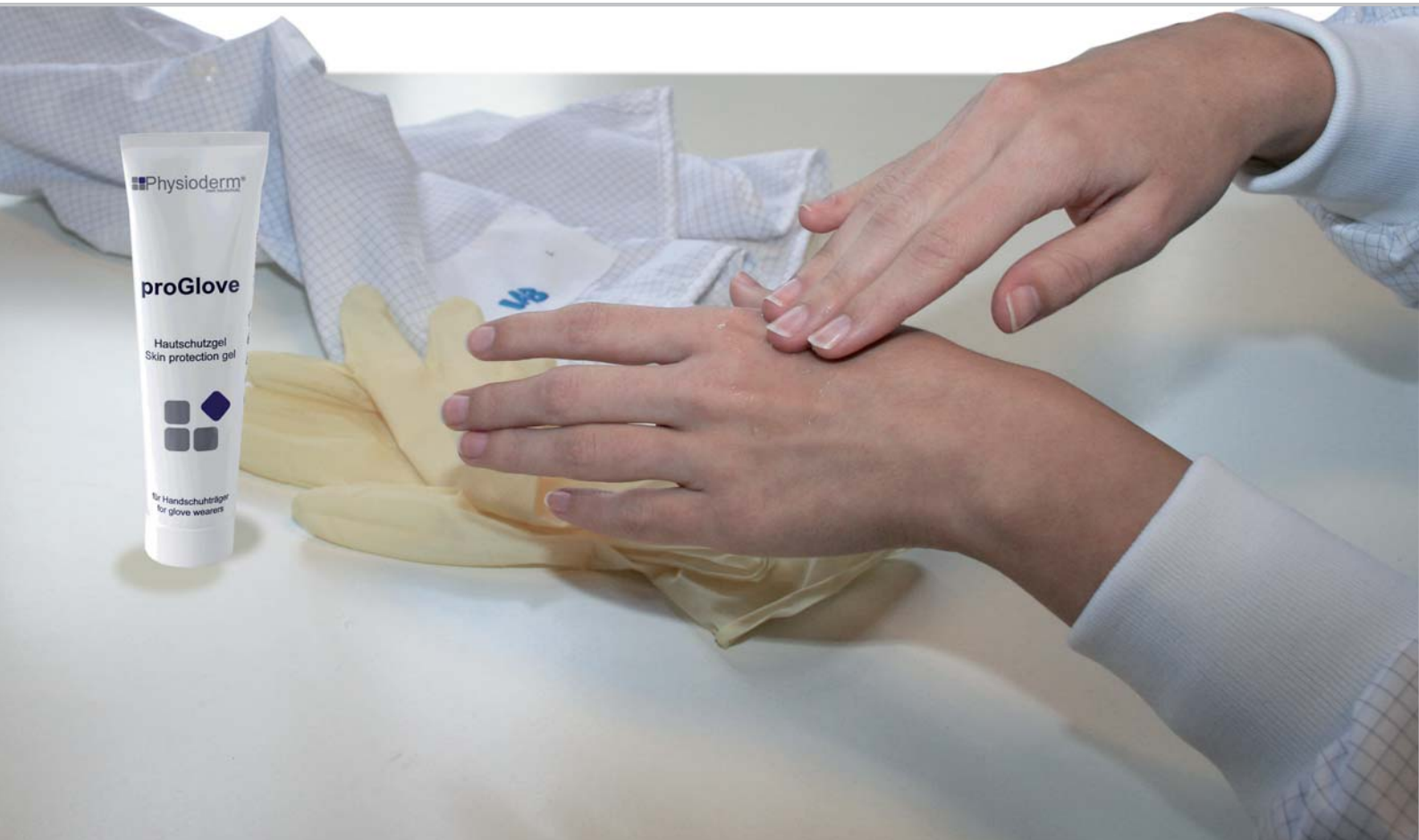
unit: 1 piece

art.-no. 370126



Additional cleaning systems available on request.

DISINFECTANTS



i

How to use disinfectants safely.

Always check the product information and labelling before use.

Physioderm is the leading brand for skin protection. This includes products for skin care, skin protection, skin cleansing and disinfection.

As a competent partner, we support companies in order to offer their staff the best possible protection, care and cleansing for the skin.

Our research, development and production use state-of-the-art equipment and processes.

Greven Physioderm products are manufactured according to GMP (Good Manufacturing Practice) and DIN EN ISO 9001:2008.



Area Disinfection



PRODENE D51

- wipes for disinfecting instruments, surfaces and medical devices.
- impregnated with a bactericidal, fungicidal and virucidal solution

box 100 Wipes

art.-no. 391000

Hand Disinfection



PRODENE ASEPTIL

- wipes for handantiseptis and for disinfecting objects, surfaces and medical devices
- impregnated with a bactericidal, fungicidal and virucidal solution

box 100 Wipes

art.-no. 391010

Skin Protection



Skin protection gel proGlove

- gel containing alcohol
- with disinfectant properties against the undesirable effects of skin softening
- swelling and structural changes of the horny layer are considerably reduced
- perfume and fatfree

tube 100 ml

art.-no. 391020



Includal® Antisept

- area disinfectant drying quickly and without residue with antibacterial and antifungal effects

spray 250 ml

art.-no. 391005



Freka®-SEPT 80

- ethanol-based
- acts bactericidal, fungicidal, HBV and HIV-inactivating, Mycobacterium tuberculosis, virucidal
- re-moisturizing

bottle 500 ml

art.-no. 391015



Skin protection cream LINDESA® K

- with camomile and beeswax
- non-greasy
- quickly absorbed skin protection and skin care cream

tube 50 ml

art.-no. 391025

CHAIRS



Chair Model 9145

- class 100/ISO 5
- ESD-compatible to EN 61340-5-1
- height regulation with gas spring from 470 to 610 mm
- synchronous technique, i.e. synchronous movement of seat and back rest
- height back rest 530 mm

art.-no. 390200



Chair Model 9142

- class 100/ISO 5
- ESD-compatible to EN 61340-5-1
- height regulation with gas spring from 470 to 610 mm
- contact back rest
- height back rest 530 mm

art.-no. 390201





Stool Model 9107

- class 100/ISO 5
- height regulation with gas spring from 450 to 650 mm
- different colours
- extra large seat

art.-no. 390206



Anti-fatigue Stool Model 9106

- class 100/ISO 5
- height regulation with gas spring adjustment from 650 to 850 mm
- back-molding in the lumbar region
- sturdy round base with pendulum motion

art.-no. 390207



Chair Model 9140

- class 100/ISO 5
- ESD-compatible to EN 61340-5-1
- height regulation with gas spring from 470 to 610 mm
- contact back rest
- back rest height 430 mm

art.-no. 390202



Chair Model 9103

- class 100/ISO 5
- height regulation with gas spring from 450 to 640 mm
- seat and back with automation technique

art.-no. 390205

GENERAL BUSINESS TERMS

1. **Validity**

Our General Business Terms will apply exclusively, any deviating terms by the customer will not be valid.

2. **Offers**

Our offers are subject to change. Any agreements, in particular verbal ancillary agreements, confirmations, guarantees and other promises by our associates will not be binding before we have confirmed them in writing.

3. **Prices**

Prices quoted by us are net. Delivery will be ex works plus shipping and handling costs in accordance with the price list valid on the date of delivery plus value added tax at the statutory rate.

4. **Minor Deliveries**

An extra charge for minor deliveries of €6 will be due on orders with a value of less than €50.

5. **Delivery**

Delivery deadlines and dates will be regarded as having been complied with where the delivery item has left our company before their lapse. We have the right to make partial deliveries to a reasonable extent. In the case of customized goods, deliveries exceeding or falling short by 10% of the agreed volume are allowed.

In the case of on-call orders we will have the right to have the entire order volume produced uniformly. Any change requests cannot be taken into account after the order has been placed. On-call delivery deadlines and volumes may only be complied with within the scope of our delivery and production capabilities.

Where no on-call orders are collected for the goods in accordance with the contract, we will regard them as having been delivered after the lapse of an adequate period of grace.

6. **Payment**

Our invoices are due for payment within 10 days with a 2% discount or net within 30 days, counted from the date of the invoice in every case. In the case of delayed payment, we will charge default interest of 8% above the basic interest rate. We will charge a €5 dunning fee per payment reminder, starting with the first payment reminder.

7. **Retention of Title**

All delivered goods will remain our property until our receivables have been settled (goods subject to the retention of title). The purchaser must inform us immediately of a lien or other impairment by third parties.

8. **Technical Changes**

We reserve the right to make changes to the products with regard to technical further development or change in shape and color.

9. **Customized Makes/Special Acquisitions**

Customized makes and special acquisitions may not be returned.

10. **Copyrights**

To the extent that we supplied items according to drawings, models, samples and other documents provided by the purchaser, the latter will assume the guarantee that third party intellectual property rights are not being infringed.

Where third parties prohibit the manufacture and supply of such items on the basis of intellectual property rights we will have the right to stop all further activity and to demand compensation in the case of fault of the purchaser, without being obligated to check the legal situation. Moreover, the purchaser will be obligated to indemnify us against all associated third party claims.

11. **Guarantee**

Any complaints due to apparent defects must be reported to us immediately after detection, but by the latest within 3 days after receipt of the delivery. Hidden defects are to be reported to us immediately after detection. All guarantee claims by the company with regard to defects of the products will expire after one year in business relations, starting on the date of delivery of the goods at the agreed destination.

In the case of a justified, immediate report of defects we will have the option of rectifying the defect or providing a replacement delivery free of defects (make-up performance). Where the purchaser does not give us the opportunity of verifying the defect, in particular by not providing the good or product, he will not be able to claim a defective product. Further claims are excluded. This will apply in particular to claims to compensation of damage not incurred to the product itself (consequential damage related to defect).

12. **Returns**

Justified returns will be collected by us! Unfortunately, we cannot accept freight forward returns. Returns of exchanged goods are to be sent to us as door deliveries and can only be returned in undamaged original packaging.

13. **Place of Performance and Jurisdiction**

The place of performance and jurisdiction is Braunschweig.

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Reinraum-Produkte GmbH

Imprint

IAB Reinraum-Produkte GmbH
Friedrich-Seele-Straße 20
38122 Braunschweig
Germany

Telephone: +49 (0) 5 31 - 2 84 84 - 0
Fax: +49 (0) 5 31 - 2 84 84 - 40

E-Mail: info@iab-bs.de
www.iab-bs.de

Managing Director: Robert Matzi

Trade Register Braunschweig
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August 2011

