

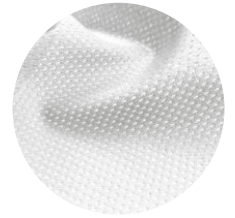


Solida Safety Line

Product Catalog

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Micromesh – High-Performance Technical Fabric for Demanding Applications

Micromesh is a specially developed textile material with a fine, closed mesh structure. It combines high mechanical durability with optimal wearing properties for professional use.

Material Properties

- Structure: Regular mesh structure, lint-free – no detachment of individual fibers or threads.
- Strength: Tear-resistant fabric made of high-quality polyamide yarn with a strong elastic component, ensuring secure retention even of large hair volumes.
- Comfort: Elastic, latex-free band that does not cut in and prevents skin irritation.
- Climate Management: Highly breathable; moisture is reliably transported outward, where it can evaporate.
- Wearing Comfort: Extremely lightweight material with excellent air permeability.

Performance Evidence and Certifications

- Cleanroom Suitability: Complies with ISO Classes 5–9; particle emissions remain within permissible limits.
- Thermal Properties: Approximately 55–60% lower thermal insulation compared to standard nonwoven fabric.
- Breathability: 40–50% better water vapor permeability than nonwoven fabric.
- Clo Value: 0.025 – around 55–60% lower than conventional polypropylene nonwoven fabric.

Fields of Application

- Food Production · Pharmaceutical Industry · Chemical Industry · Cleanrooms · Kitchen Areas · Medical Sector



Micromesh Caps



Round Cap, Micromesh

- 100% Polyamide / Nylon
- Weight: 12 g/m²
- Latex-free, breathable, with super-soft edge elastic

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
M = Ø 54	○	113969	200 pcs in polybag	25
		113971	200 pcs in dispenser box	10
	●	113976	200 pcs in polybag	25
		113977	200 pcs in dispenser box	10
	●	183659	200 pcs in polybag	25
		NN	200 pcs in dispenser box	10
L = Ø 58	○	113963	200 pcs in polybag	25
		113965	200 pcs in dispenser box	10
	●	118315	200 pcs in polybag	25
		131318	200 pcs in dispenser box	10
	●	175147	200 pcs in polybag	25
		187351	200 pcs in dispenser box	10
XL = Ø 63	○	139312	200 pcs in polybag	20
		132512	200 pcs in dispenser box	10
	●	141230	200 pcs in polybag	20
		158391	200 pcs in dispenser box	10
	●	183662	200 pcs in polybag	20
		196346	200 pcs in dispenser box	10

 other colors on demand

Micromesh Caps



Round Cap, Micromesh, detectable

- 100% polyamide / nylon + Aluminum strip in hem
- Weight: 12 g/m²
- Latex free, breathable, with super soft rim elastic



Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
M = Ø 54	○	200172	200 pcs in polybag	25
		127617	200 pcs in dispenser box	10
L = Ø 58	○	178045	200 pcs in polybag	25
		127621	200 pcs in dispenser box	10
XL = Ø 63	○	200173	200 pcs in polybag	20
		151295	200 pcs in dispenser box	10



other colors on demand

Detectable, i.e. detectable by metal detectors and/or X-ray detectors, are articles provided with aluminum or metal clips. Articles used in the food industry in particular are detected by search devices if they are lost at the end of the production chain. Contaminated products can be removed and quality assured.

Micromesh Caps



Round Cap, Micromesh with PVC Visor

- 100% polyamide / nylon
- Weight: 12 g/m²
- Latex free, breathable, with super soft rim elastic

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal, Ø 57	○	200236	100 pcs in polybag	25
		113980	100 pcs in dispenser box	10

Micromesh Caps



Astro Cap, Micromesh PLUS, with / without Cape

- 100% polyamide / nylon
- Weight: 20 g/m²
- Latex free, breathable, with super soft rim elastic

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal	○	197847	without Cape , 50 pcs in polybag	25
		195436	with Cape , 50 pcs in polybag	25
universal	●	200167	without Cape , 50 pcs in polybag	25
		200255	with Cape , 50 pcs in polybag	25



other colors on demand

- The Micromesh PLUS Astro cap covers the head and neck.
- It leaves the face area open depending on the requirements: only eyes, nose and eyes or mouth and eyes.
- **Without Cape** it gently closes the neck, **with Cape** the neck area (subject of skin flakes) is also protected.

Micromesh Beard Cover



Beard Cover, Micromesh, with Head Elastic

- 100% polyamide / nylon
- Weight: 12 g/m²
- Latex free, breathable

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
L 47 x 20 cm	○	113948	100 pcs in polybag	
		113949	300 pcs in dispenser box	20
	●	139151	100 pcs in polybag	100
		139152	300 pcs in dispenser box	20
XL 49 x 40 cm	○	194374	100 pcs in polybag	50
		194375	300 pcs in dispenser box	10
	●	194376	100 pcs in polybag	50
		196257	300 pcs in dispenser box	10



other colors on demand

Micromesh Beard Cover



Beard Cover, Micromesh, with Head Elastic, detectable

- 100% polyamide / nylon + aluminum clip on head elastic
- Weight: 12 g/m²
- Latex free, breathable



Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
L 47 x 20 cm	○	151303	100 pcs in polybag	100
		151304	200 pcs in dispenser box	20
	●	200174	100 pcs in polybag	100
		199702	200 pcs in dispenser box	20
XL 49 x 40 cm	○	198767	100 pcs in polybag	50
		198766	200 pcs in dispenser box	20
	●	198768	100 pcs in polybag	50
		200147	200 pcs in dispenser box	20

 other colors on demand

Detectable, i.e. detectable by metal detectors and/or X-ray detectors, are articles provided with aluminum or metal clips. Articles used in the food industry in particular are detected by search devices if they are lost at the end of the production chain. Contaminated products can be removed and quality assured.



Non-woven fabric – the all-rounder

Non-woven fabric is composed of **polypropylene fibers** pressed to **resemble paper**.

Very fine fibers are bonded together in a special process to form a compressed textile.

The result is a safe, **robust** product that is optimally processed into a **cap, face mask** or **coat**. Thanks to the **latex-free** quality with **high breathability**, our versatile fiber fleece is particularly **comfortable**.

Recommended for **industry, clinics** and **commercial kitchens**.

Caps, Non-Woven



**Round Cap, Non-Woven,
with chain seam**

- 100% polypropylene
- Weight: 12 g/m²
- Latex free

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity	
L Ø 53	○	113849	100 pcs in polybag	50	
		200148	200 pcs in dispenser box	20	
	●	143614	100 pcs in polybag	50	
		200234	200 pcs in dispenser box	20	
	●	113859	100 pcs in polybag	50	
		200224	200 pcs in dispenser box	20	
	●	●	190036	100 pcs in polybag	50
			NN	200 pcs in dispenser box	20
XL = Ø 60	○	113872	100 pcs in polybag	40	
		199913	200 pcs in dispenser box	10	

Caps, Non-Woven



**Round Cap, Non-Woven,
with hemmed elastic thread**

- 100% polypropylene
- Weight: 20 g/m2
- Latex free

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal, Ø 53	○	113879	100 pcs in polybag	25
		113880	100 pcs in dispenser box	10
	●	200170	100 pcs in polybag	25
		113883	100 pcs in dispenser box	10

Caps, Non-Woven



**Round Cap, Non-Woven,
clipped on the side**

- 100% polypropylene
- Weight: 12 g/m²
- Latex free, breathable


Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal, Ø 53	○	113844	100 pcs in polybag	40
		200233	100 pcs in dispenser box	20

Caps, Non-Woven



**Center seam hood,
with hemmed elastic thread**

- 100% polypropylene
- Weight: 28 g/m²
- Latex free, breathable

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal, Ø 55		113904	100 pcs in dispenser box	6

Clothes, Non-Woven



**Visitor Coat, Non-Woven,
with Buttons**

- 100% polypropylene
- Weight: 35 g/m2
- Latex free

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal, Länge: 110	○	146434	1 pcs in polybag	100
	●	200229	1 pcs in polybag	100

Clothes, Non-Woven



**Visitor Coat, Non-Woven,
with Velcro**

- 100% polypropylene
- Weight: 35 g/m2
- Latex free

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal, Länge: 110	○	200209	1 pcs in polybag	100
	●	NN	1 pcs in polybag	100

Clothes, Non-Woven



Shoe Cover, Non-slip, Non-Woven SPP

- 100% polypropylene, Non-Woven (SPP)
- Exterior coating: chlorinated polyethylene (CPE)
- Edge elastic: Natural rubber, warped with polyester thread
- Weight: SPP: 30 g/m²
- CPE: 30 g/m²,
- Resistant, anti-slip, waterproof

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal, 16 x 41	○	152860	50 pair in polybag	10
	●	152847	50 pair in polybag	10

- Non-slip
- Waterproof
- Contains no animal-derived ingredients
- PP + CPE materials are free from TSE / BSE risks
- The product complies with EU Regulation (EU) 2017 / 745
- Resistant to ethanol

High Shoe Cover, Non-Woven SPP, Non-Slip

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal, 21 x 41	●	152847 200285	50 pair in polybag	10

Lightweight Hairnets and Beard Nets

Hairnets are textile mesh fabrics that can be coarse- or fine-meshed and robust, depending on their intended use. The durable knitted fabrics are either knotless or side-knotted. Since 1926, we have been manufacturing perfected hairnets for industrial protection in our in-house production facilities. Solida hairnets are made from ultra-fine polyamide threads on specialized Raschel machines.

In industrial production and crafts, there is a risk of injury for employees with long hair. Especially in these environments, and in large-scale kitchens for hygiene reasons, our latex-free hairnets provide optimal protection.

Features:

- Dispenser box: Easy, fast, and hygienic dispensing
- Quick wall mounting with Powerstrips
- Made in Germany



Hair Protection



Lightweight Hairnet

- 100% polyamide / nylon
- Dispenser box: easy, quick and hygienic removal
- Latex free, air-permeable, flexible, secure fit

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal		186678	200 pcs in dispenser box	72
		196429	200 pcs in dispenser box	72
universal		200176	200 pcs in dispenser box	72
		200349	200 pcs in dispenser box	72

*Length when stretched: approx. 60 cm

Beard Nets



Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal		200358	200 pcs in dispenser box	72

other colors on demand

- **Other packaging options available on request**



Honeycomb – the alternative

Tulle, or **honeycomb**, is a mesh-like **fabric woven** from yarns of various finenesses. woven from yarns of different fineness. Depending on the material receives a different thickness.

In addition, it is almost **transparent** and extremely **air-permable** due to the many net cells.

Our honeycomb caps are particularly **soft** and **cuddly**, which is why they prove to be reliable **protection**, especially in the area of **occupational safety**.

Hair Protection



**Honeycomb Cap,
detectable**

- 100% polyamide / nylon + metal clip
- Latex free, breathable, with super soft edge elastic
- Made in Germany



Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
universal, Ø 55	○	113990	200 pcs in polybag	25
		135443	200 pcs in dispenser box	10

Dispenser



Acrylic Dispenser with Tear-off Comb

- transparent acrylic
- Strength: 3 mm
- for wall mounting
- **Mounting material included**

Size (cm)	Color	Article Number	Packaging Unit
10,4 x 8,6 x 25,9 opening: 4,5	○	186679	Acrylic dispenser with tear off comb

Dispenser



Wall Mount for Dispenser Boxes

- Plastic
- for wall mounting
- **Mounting material included**

Size (cm)	Color	Article Number	Packaging Unit
30 x 32 x 10	○	112992	1 piece for Micromesh Round Caps Beard Net XL Detectable
24 x 24 x 10	○	112993	1 Piece – Suitable for Fiber Fleece Cap, Beard Net L, and Detectable Beard Net XL
10,4 x 8,6 x 25,9 opening: 4,5	○	186679	Acrylic Dispenser with Tear-Off Comb for Lightweight Hairnets

Medical Protection Mask



Solida protectasoft with inner layer made of micromesh

- **Medical mask according to DIN EN 14683:2019 Type IIR**
- 3 layered
 - Outer layer PP with > **16 pKa splash resistance**,
 - Middle layer PP with **≥ 98 % filtration efficiency**,
 - Inner layer made of PES Micromesh, fine mesh knitted, skin-friendly and soft, allows excellent breathing
- With nose clip (aluminium wire)
- Highly elastic ear loops for extra long-term waering comfort, barely noticeable, latex-free
- **Microbiological purity > 30 (CFU/g) according to EN ISO 11737-1:2018**
- **Bio-compatibility fulfilled according to EN ISO 10993-1:2018**

Size (cm)	Color	Article Number	Packaging Unit	Minimum Order Quantity
19 x 10 x13		200300	1 Dispenser Box, 50 pcs, loose packed	15
			1 Outer Case with 15 Disp. Boxes, 750 pcs, loose packed	
			1 Pallet with 24 Outer Cases, 18.000 pcs. loose packed	



Solida protectasoft medical protection masks type IIR are unlike other medical masks. Instead of a PP nonwoven inner layer, the inner layer of Solida protectasoft is made of polyester micromesh. This new material configuration significantly increases breathability and results in the lowest possible differential pressure without affecting bacterial filtration performance.

The microsmesh inner layer doesn't absorb humidity, the mouth-nose area remains dry, the humidity is transported to the outside. It has no particle shedding, the throat is not irritated by particles or fibers, dermatological irritation is reduced and make-up is protected.

Solida protectasoft is a medical face mask according to DIN EN 14683:2019. DIN EN 14683:2019 specifies a differential pressure of < 60 Pa/cm².

The Solida protectasoft mask achieves a differential pressure of < 25 Pa/cm², which means 50% more air for mask wearers.

Wide-ranging application tests in hospitals, retirement ans nursing homes, and in food and pharmaceutical production have confirmed the benefits of Solida protectasoft.

The Solida protectasoft and all materials used for this mask are **100 % Made in Germany**.

General Terms and Conditions

§ 1 Scope of Application

The following terms and conditions form an integral part of the contract concluded with us. Our General Terms and Conditions in their latest version shall also apply to all subsequent transactions, without the need for express mention or agreement at the time of their conclusion. They apply only to entrepreneurs within the meaning of § 310 (1) BGB (German Civil Code). We hereby expressly reject any confirmations, counter-offers, or other references made by the purchaser with regard to their terms and conditions. Deviating conditions of the purchaser shall only apply if expressly confirmed by us in writing.

§ 2 Conclusion of Contract

The order constitutes a binding offer. Solida may accept the offer by written confirmation within two weeks.

§ 3 Delivery

Delivery of the goods shall be ex works. The purchaser shall bear transport and shipping costs, unless otherwise agreed. In the event of return shipments, the purchaser shall bear freight and postage costs.

§ 4 Invoicing

The invoice will be issued on the day of dispatch or provision of the goods (ex works). Postponement of the invoice due date (valuation) is fundamentally excluded. All prices quoted are exclusive of the statutory value added tax, unless expressly stated otherwise.

§ 5 Payment of Purchase Price

Invoices are payable from the date of issue (invoice date):

- within 10 days with a 2.00% discount,
- from the 11th to the 30th day net without deduction.

Payment must be made by bank transfer, unless otherwise agreed. For bank transfers, the day of crediting to Solida's bank account shall be deemed the date of payment. In the event of default of payment by the purchaser, Solida is entitled to charge default interest in accordance with § 288 BGB.

§ 6 Set-Off

The purchaser shall only be entitled to set-off if the counterclaims are legally established, undisputed, or acknowledged by Solida.

§ 7 Delivery Time

Compliance with the delivery period presupposes the fulfillment of the purchaser's contractual obligations. The delivery period is met if the goods have left Solida's business premises or readiness for dispatch has been communicated by its expiry. The delivery period shall be reasonably extended in the event of labor disputes, force majeure, or unforeseen obstacles beyond Solida's control. This also applies if such circumstances arise at subcontractors. If Solida is in default for reasons attributable to it, liability for damages in cases of slight negligence shall be limited to 30% of the foreseeable damage. Further claims for damages, including loss of profit, shall only exist if the delay is due to intent or gross negligence.

§ 8 Retention of Title

Solida retains ownership of the delivered goods until full payment of the purchase price has been received. The purchaser may neither pledge the goods nor assign them as security. In the event of breach of contract by the purchaser, particularly default of payment, Solida shall be entitled, after issuing a reminder, to repossess the goods, and the purchaser shall be obliged to surrender them. The enforcement of the retention of title by Solida shall not be considered a withdrawal from the contract.

§ 9 Choice of Law

The law of the Federal Republic of Germany shall apply exclusively, excluding the UN Convention on Contracts for the International Sale of Goods (CISG) and the conflict-of-law rules referring to it.

§ 10 Place of Performance and Jurisdiction

The place of performance and jurisdiction for all disputes arising from this contract shall be Helmstedt, unless otherwise stated in the order confirmation.

Status: March 31, 2023