

PRODUCT INFORMATION

Chemical overall Tyvek® 500 Labo

Coverall for chemicals, category III, type 5 / 6

Application range and properties

- + **Maximum protection and comfort:** Type-tested and certificated as complex PPR category III, chemical protective clothing type 5-B (protection against particles) and 6-B (limited spray protection). High neckline, hood, stitched and overtaped seams, zip with attached self-adhesive flap and slip-resistant overshoes. Antistatic treatment.
- + **Application range:** Protective overall for handling chemicals, suitable for handling chemicals; (see permeation list), can be used in indoor environments with smooth floor surfaces.
- + **Protective properties:** Offers protection against hazardous particles and fibres, (down to 1 micron in size), protection against radioactive particles (EN 1149-5).
- + **Directions for use:** Keep away from naked flame or intensive heat.
- + **Change interval:** Max. wear in accordance with the permeation list¹⁾, in case of visible contamination immediately! Single use!
- + **Before use:** Check for any damage! **Do not use damaged coveralls!**
- + **Disposal:** Waste requiring supervision (waste code: 18 01 04 in accordance with 2000/532/EC); in case of heavy contamination, waste requiring special supervision²⁾ (waste code: 18 01 08*) in accordance with 2000/532/EC; collect and dispose of waste separately!

¹⁾: Dependent on chemicals/CMR-pharmaceutical drugs used.

²⁾: Any types of waste marked with (*) is hazardous waste in accordance with the German § 41 of the KrW-/AbfG

Versions

| Size | Chest girth (cm) | Height (cm) | Order No.: | |
|------|------------------|-------------|----------------------|-----------------|
| | | | Non-sterile (25 pcs) | Sterile (6 pcs) |
| S | 84 – 92 | 162 – 170 | 100220 | 100215 |
| M | 92 – 100 | 168 – 176 | 100221 | 100216 |
| L | 100 – 108 | 174 – 182 | 100222 | 100217 |
| XL | 108 – 116 | 180 – 188 | 100223 | 100218 |
| XXL | 116 – 124 | 186 – 194 | 100224 | 100219 |

Material properties

| | |
|-----------------|---------------------|
| Material | Tyvek® L1431N |
| Material weight | 65 g/m ² |

Protection against mechanical hazards

Mechanical properties tested to EN 14325:

| Requirements | Results / Performance level |
|--|-----------------------------|
| Abrasion resistance (1-6) to EN 530 | 2/6 |
| Flex cracking resistance (1-6) to ISO 7854 | 6/6 |
| Trapezoidal tear resistance EN ISO 9073-4 | 1/6 |
| Tensile resistance EN 13934-1 | 1/6 |

| | |
|-----------------------------------|-------------------------|
| Puncture resistance EN 863 | 2/6 |
| Resistance to ignition EN 13274-4 | pass |
| Surface resistance at RH 25% | 2,5x10 ⁹ Ohm |

Protection against chemical hazards

Protection against chemical hazards: Permeation to EN ISO 6530

| Chemical | Penetration index | Repellency index |
|------------------------|-------------------|------------------|
| Sulphuric acid (30%) | 3/3 | 3/3 |
| Sodium hydroxide (10%) | 3/3 | 3/3 |

Test method coverall

| | |
|---|------|
| Type 5: Particle aerosol inward leakage test EN 13982-2 | pass |
| Type 6: Low level spray test EN ISO 17491-4 | pass |
| Protection factor according to EN 1073-2 | 2/3 |
| Seam strength EN ISO 13935-2 | 3/6 |

Quality management system

Our quality management system is tested and certified by TÜV Management Service GmbH (a certification body accredited by the German Accreditation Council) in accordance with DIN EN ISO 9001:2008. Regular audits and production site inspections guarantee the quality of our products.

Notified body „0598“

SGS Fimko Oy, Notified Body 0598, Takomotie 8, FI-00380 HELSINKI, Finland

Storage and transport requirements

- + Dark (protect against UV light)
- + cool and (+15 to +25°C), dry
- + No contact with pointed or sharp objects

Shelf life

- + non-sterile 10 years
- + sterile 4 years from date of manufacture

Manufacturer / Distributor

DuPont Personal Protection, L 2984 Luxemburg

Berner International GmbH, Werner-von-Siemens-Str. 19, 25337 Elmshorn, Tel: +49 4121 43560, Fax: +49 4121 435620

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