

# uvex 5/6 comfort



|                 |                                                                       |
|-----------------|-----------------------------------------------------------------------|
| Model:          | 9877                                                                  |
| Article No.:    | 98710                                                                 |
| Size:           | S – 3XL                                                               |
| Material:       | Polypropylene spunbound laminated with Polyethylene film, back PP-SMS |
| Colour:         | white-lime                                                            |
| Order Unit:     | 1 PC                                                                  |
| Outer packaging | 40 PC per CT                                                          |

## PPE-Category III

Certified according to



## Areas of application:

- handling chemicals in dust and powder form
- varnishing and protection against paint splashes
- fiberglass production and processing
- industrial cleaning and maintenance
- automotive industry
- grinding and polishing
- cement manufacture
- mining and quarrying
- demolition and refurbishment
- working with asbestos
- wood and metal processing
- construction industry
- cleanroom applications
- pharmaceutical industry

## Product description:

- the combination of laminate and a SMS back section provides a high level of moisture management, without reducing protection
- suitable for cleanroom environments Class 8 in accordance with ISO 14644-1
- bound seams in contrasting colours
- self-adhesive zipper flap for optimal protection
- optimal fit with elasticated waistband
- safe and convenient closures thanks to elasticated bands on the hood, arms and legs
- middle finger loops prevent sleeves sliding up the arm

### Performance data\*:

|                                                                      | unit   | SMS Ergebnis<br>Bereich / result | Klasse<br>/ class | Laminat Ergebnis<br>Bereich / result | Klasse<br>/ class |
|----------------------------------------------------------------------|--------|----------------------------------|-------------------|--------------------------------------|-------------------|
| <b>EN 14325 physical properties</b>                                  |        |                                  |                   |                                      |                   |
| EN 530 Abrasion resistance                                           | cycles | > 100                            | 2 of 6            | > 100                                | 2 of 6            |
| EN ISO 7854 Flex cracking resistance                                 | cycles | > 15.000                         | 4 of 6            | > 40.000                             | 5 of 6            |
| EN ISO 9073-4 Tear resistance (MD)                                   | N      | > 20                             | 2 of 6            | > 10                                 | 1 of 6            |
| EN ISO 9073-4 Tear resistance (CD)                                   | N      |                                  |                   |                                      |                   |
| EN ISO 13934-1 Tensile strength (MD)                                 | N      | > 30                             | 1 of 6            | > 30                                 | 1 of 6            |
| EN ISO 13934-1 Tensile strength (CD)                                 | N      |                                  |                   |                                      |                   |
| EN 863 Puncture resistance                                           | N      | > 5                              | 1 of 6            | > 5                                  | 1 of 6            |
| EN ISO 13938-1 Burst resistance                                      | kPa    |                                  |                   | > 160kPa                             | 3 of 6            |
| EN 13274-4 Resistance to ignition                                    |        | -                                | -                 | -                                    | -                 |
| <b>EN 14325 chemical properties</b>                                  |        |                                  |                   |                                      |                   |
| <b>ISO 6530 Repellence of liquids</b>                                |        |                                  |                   |                                      |                   |
| Sulphuric acid (30%)                                                 | %      | > 95                             | 3 of 3            | > 95                                 | 3 of 3            |
| Sodium hydroxide (10%)                                               | %      | > 95                             | 3 of 3            | > 95                                 | 3 of 3            |
| o-Xylene                                                             | %      | -                                | -                 | > 95                                 | 3 of 3            |
| Butan-1-ol                                                           | %      | -                                | -                 | > 90                                 | 2 of 3            |
| <b>ISO 6530 Resistance to penetration by liquids</b>                 |        |                                  |                   |                                      |                   |
| Sulphuric acid (30%)                                                 | %      | < 1                              | 3 of 3            | < 1                                  | 3 of 3            |
| Sodium hydroxide (10%)                                               | %      | < 1                              | 3 of 3            | < 1                                  | 3 of 3            |
| o-Xylene                                                             | %      | -                                | -                 | < 1                                  | 3 of 3            |
| Butan-1-ol                                                           | %      | -                                | -                 | < 1                                  | 3 of 3            |
| <b>Electrostatic properties</b>                                      |        |                                  |                   |                                      |                   |
| EN 1149-5: Electrostatic properties                                  | Ω      | passed                           | -                 | passed                               | -                 |
| <b>Whole suit test results</b>                                       |        |                                  |                   |                                      |                   |
| EN ISO 13935-2 seam strength                                         | N      | > 75                             | 3 of 6            | > 75                                 | 3 of 6            |
| <b>Type-tests</b>                                                    |        |                                  |                   |                                      |                   |
| EN ISO 13982-1 / EN ISO 13982-2 Particle penetration test (Type 5)*2 | TIL %  | passed                           | -                 | passed                               | -                 |
| EN 13034 / EN 468 Reduced spray test (Type 6)                        |        | passed                           | -                 | passed                               | -                 |
| <b>Radioactive Particles</b>                                         |        |                                  |                   |                                      |                   |
| EN 1073-2 Barrier to radioactive particulates                        |        | -                                | -                 | -                                    | -                 |
| EN 25978 Resistance zu blocking - coated materials                   |        | -                                | -                 | -                                    | -                 |
| <b>Various additional Tests</b>                                      |        |                                  |                   |                                      |                   |
| UPF Material                                                         |        | 5                                |                   | 50+                                  |                   |

➔ The lowest result is crucial for the classification, divergent results are shown in grey !

| Suitability by cleanroom class / tested according to ISO 9073-10 (Linting-test) |   |   |   |    |     |       |        |         |   |
|---------------------------------------------------------------------------------|---|---|---|----|-----|-------|--------|---------|---|
| ISO 14644-1 Class                                                               | 1 | 2 | 3 | 4  | 5   | 6     | 7      | 8       | 9 |
| US Federal Standard 209                                                         | - | - | 1 | 10 | 100 | 1.000 | 10.000 | 100.000 |   |
| uvex 5/6                                                                        |   |   |   |    |     |       |        | X       | X |

\* Tested under laboratory conditions: temperature (20 ± 2)°C and (65 ± 5)% relative humidity

\*\* Particle size according to details on testing substance as mentioned in EN136, 8.16.3.2.2: "particle size description must be 0,02µm - 2µm EAD with a MMD of 0,6µm"