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# **Protective Apparel**

**Optimising Protection and Permeation**

# PPE Overall PC-6503 Technical Datasheet

## Made From Fabric Meeting ISO 16603 Class 3 Requirements

PPE Overall PC-6503 is designed for environments involving long hours of work and requiring protection against dusts and light liquid splashes, ie. situations that cover all auxiliary and peripheral level activities in infection protection and sanitation.

### Key Features :

- Unique Multi Layered (**SMS Type**) Non-Woven Fabric PP featuring micro pore filtration layers sandwiched between strong outer layers.
- Fabric Sourced from ISO, GMP and OHSAS certified manufacturer
- Unique combination of Materials in Fabric providing optimum combination of **BFE Protection** and **Breathability**.
- Serged seaming and elasticated waist, ankles, and wrists for convenience and freedom of movement.
- Two-way zipper with storm flap for convenience and additional protection

### Protection Level : ( For Fabric Only )



**Liquid Protection** Type 6 - Light Liquid Splashes (EN 13034:2005)



**Dust Protection** Type 5 - Solid Airborne Particulates (EN ISO 13982-1:2004)



**Biological Protection** Class 3 - Synthetic Blood Penetration Resistance (EN ISO 16603:2004)



**Breathable** Class 3 - Resistance to Water Vapour (EN ISO 11092:2014)

### Materials :

**Suit** Polypropylene Layered Fabric  
**Zipper** CFC Braided Two Way Sliders With Storm Flap  
**Elastic** Neoprene Rubber and Polyester  
**Thread** Polyester

This product does not contain components made from natural rubber latex.

### Sizing :

An appropriate size garment should be selected to allow sufficient movement for the task whilst maintaining a secure fit.

|    | Height                    | Chest                     |
|----|---------------------------|---------------------------|
| S  | 66 – 69 in / 167 – 176 cm | 36 – 39 in / 92 – 100 cm  |
| M  | 69 – 71 in / 174 – 181 cm | 39 – 43 in / 100 – 108 cm |
| L  | 70 – 74 in / 179 – 187 cm | 43 – 45 in / 108 – 115 cm |
| XL | 73 – 76 in / 186 – 194 cm | 45 – 49 in / 115 – 124 cm |



### Applications and Performance :

|   |     |                                   |  |
|---|-----|-----------------------------------|--|
| <b>Non-Hazardous Particulates</b>           | Yes | <b>Light Liquid Splash</b>        | Yes if chemical is compatible with suit material |
| <b>Non-Hazardous Liquid Splash</b>          | Yes | <b>Heavy Splash/ Liquid Spray</b> | No   |
| <b>Hazardous Dusts and Fibres</b>           | Yes | <b>Organic Solvents</b>           | No   |
| <b>Liquid Continuous Contact/ Immersion</b> | No  | <b>Acids/Alkalis</b>              | Yes if chemical is compatible with suit material |
| <b>Gases and Vapours</b>                    | No  |                                   |  |

**Typical applications may include :** Health Care Facilities, Light Duty/Dry Sanitation, pharmaceutical, general industrial clean-up, general powder handling and food processing. In all cases, a risk assessment should be carried out. Always read product user information. Use limitations and performance data should be considered to ascertain the protection required. If in doubt, contact a safety professional.

The table below shows the performance of this product when tested under laboratory conditions. Please note that the tests may not reflect the reality of use and do not account for factors such as excessive heat and mechanical wear.

| Test                                       | Test Method   | UoM      | Result  |
|--|---------------|----------|---------|
| Basis Weight                               | NWSP 130.1    | GSM      | 60      |
| Tensile Strength MD                        | NWSP 110.4    | N/5cm    | 120     |
| Tensile Strength CD                        | NWSP 110.4    | N/5cm    | 60      |
| Elongation MD                              | NWSP 110.4    | %        | 55      |
| Elongation CD                              | NWSP 110.4    | %        | 65      |
| Air Permeability                           | NWSP 70.1     | l/m2/sec | 140     |
| Resistance to Liquid Penetration @ 60 mbar | NWSP 80.6     | cmWc     | 95      |
| BFE  | ASTM:F2101-19 | %        | >95     |
| Blood Penetration Resistance Test          | ISO 16603     | --       | Class 3 |

### Storage and Disposal :

- Store in dry, clean conditions in original packaging, away from direct sunlight, sources of high temperature, and solvent vapours
- Store within the temperature range -20°C to +25°C (-4°F to +68°F) and with relative humidity below 80%
- Expected shelf life is three years from date of manufacture when stored as stated.
- Replace garments if damaged, heavily contaminated or in accordance with local work practice or regulations
- Handle and dispose of contaminated garments with care and in accordance with applicable regulations

### Limited Use :



**Do not wash**



**Do not dry clean**



**Do not bleach**



**Flammable - keep away from sparks or flames**



**Do not iron**



**Single Use - do not re-use**



**Do not tumble dry**

### Warnings and Limitations :

**Before use read and understand all user instructions and be sure that the product is suitable for the application and fitted correctly. Product must never be altered or modified.**

### Do not use for :

- Contact with heavy oils, sparks or flame, or combustible liquids;
- Environments with high mechanical risks (abrasions, tears, cuts);
- Contact with hazardous substances beyond the Type garment is appropriate for
- Environments with conditions of excessive heat.

### Important Notice and Limitation of Liability :

This Leaflet is only a product outline and cannot be construed as a base for decision to confirm suitability of use in intended environment. The user is advised to follow respective country specific legislation and consult applicable safety professional before choosing to use the product. Final decision and confirmation regarding suitability of the above product for the task undertaken by the personnel is the employer's responsibility.

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