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TECHNICAL DATA SHEET

Kem-shield
KS400J & KS400P

Jacket with Hood & Pant Stitched and over Tape Seams, Partial Body Protection.

Protection:

The Kem-Shield series accessories or partial body protection, when used in combination with chemical protective clothing, can offer enhanced protection for body parts that are more exposed to hazardous substances.

Design:

The design of the incorporates elasticated hood, wrist, zipper, self- adhesive flap closure.

- **Zippers:** Easy to operate, allowing wearers to quickly don and doff the garment without requiring assistance.
- **Secure Seal Flap:** The adhesive flap closure creates a secure seal, preventing particulates or liquids from entering through the closure area.

Fabric Construction:

The outer layer consists of HDPF (High-Density Polyethylene) film, while the inner layer is comprised of high-quality non-woven fabric.

Key Features:

- **Anti-Static:** Helps dissipate static electricity, reducing the risk of static discharge and associated hazards in sensitive environments.
- **Three-Piece Hood:** A hood constructed from three panels for optimal fit and coverage, providing additional protection for the head and neck area.
- **Soft and Comfortable:** Constructed from soft materials for enhanced wearer comfort, even during extended periods of wear.
- **Lightweight:** Designed to be lightweight, ensuring ease of movement and minimizing wearer fatigue during use.



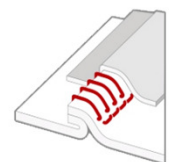
KS400J- Jacket

KS400P- Pant

Seam Construction:

Seam tape is applied over stitched seams to enhance protection against liquid penetration effectively sealing any gaps or holes and reinforcing the seam for enhanced durability.

The tape provides the same level of protection as the fabric itself, ensuring consistent defence against potential hazards. Reinforce four line stitching. Stich length 3-4 stitch per cm with over tape.



Application:

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| <ul style="list-style-type: none"> • Pharmaceutical Processing. • Chemical Processing/Handling/Cleaning. • General Maintenance, Cleaning, Renovation. • General Industrial Operations. • Pesticides, Agrochemicals Handling. • Assembly. • Cleaning and Degreasing. • Waist Handling. • Chemical/Oil Spills Cleaning. | <ul style="list-style-type: none"> • Oil Processing/Handling. • Laboratories. • Machining. • Spray Painting. • Paint Preparation. • Cosmetic Formulations. • Food Proceeding. • Radioactive Particle. • Biological Hazards. |
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Technical Data

Physical Performance (EN 14325)

Test	Test method	Result
Abrasion resistance	EN ISO 12947-2:2016	Class 3
Puncture resistance	EN 863:1995	Class 2
Flex cracking resistance	EN ISO7854:1997, Method B	Class 6
Flex cracking resistance at -30°C	EN ISO7854:1997, Method B	Class 6
Tensile strength	EN ISO 13934- 1:2013	Class 2
Tear resistance (trapezoidal)	EN ISO 9073-4:1997	Class 3
Seam strength	EN ISO 13935-2:2014	Class 4

Physical Performance (EN 1073-2)

Test	Test method	Result
1. Abrasion resistance	EN 530, Method 2	Class 5
2. Puncture resistance	EN 863:1995	Class 2
3. Resistance to blocking	EN 25978	Class 2
4. Tear resistance	EN ISO 9073-4:1997	Class 4
5. Seam strength	EN ISO 13935-2:2014	Class 4

Resistance To Ignition (EN 1073-2: 2002)

Test method	Result
EN 13274-4: 2001 Method 3	Pass
Requirement : Not continue to burn.EN ISO 6530:2005	

Electrostatic properties (EN 1149-5: 2018)

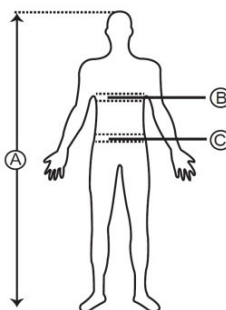
Test	Test method	Result
Surface resistance	EN 1 149- 1: 2006	Pass
EN 1 149-5: 2018: Max.2.5×10 ⁹ Ω on at least one surface		

Storage:

- Store it in a cool, dry place in original packet.
- Store away from sources of direct sunlight, heat, and high temperatures.
- Shelf life is five years from date of manufacture when stored as stated above.

Disposal:

- If not contaminated, the product can be treated as common textile waste.
- If contaminated, it should be treated as hazardous waste and discarded according to local regulations.



Size Chart

Size	Height (A) cm	Chest (B) cm
S	161-165	95-99
M	167-171	95-99
L	173-177	100-104
XL	177-186	105-120
XXL	184-186	108-120
XXXL	188-192	114-125

Industry



Pharmaceutical



Chemical



Food & Breweries



Transportation



General Manufacturing



Oil & Gas



Agriculture



FMC's



Textile