INFOFAX

KLEENGUARD* *A71* Product Description

Intended Use

KLEENGUARD* A71 Chemical Permeation & Jet Liquid Protection Coveralls:

- Are limited life protective clothing designed to protect the user from high pressure aqueous jets, handling inorganic acids and bases and a range of organic chemicals.
- Are approved as Complex design (Category 3) equipment offering protection to the levels specified for protective clothing for use against liquid chemicals for protective clothing with liquid tight (Type 3) or spray tight (Type 4) connections between parts of the clothing and Type 5 (particulates).
- Low lint and silicone free for critical areas.
- Approved for EN14126 Protective clothing against infective agents
- Approved for EN 1073-2 Protective clothing against radioactive contamination
- Approved for EN 1149-1 Protective clothing electrostatic properties

Product

Kimberly-Clark has invested in this garment's design and materials development specifically to offer the user the ideal combination of protection with comfort.

Fabric

KLEENGUARD* A71 Garments are made from a laminate of barrier film and a non-woven fabric. The non-woven fabric will be treated for antistatic to meet the levels specified in EN1149-1 and are silicone free which is important when working with paint or sensitive surfaces.

Seams

The seams are stitched and over taped to provide high strength and barrier properties to with stand high-pressure aqueous jets.

Zip Cover

A double hook and loop zip flap system is used to cover the liquid repellent zip thus ensuring protection in the normally vulnerable area

Symbols and Marking on the garment – what they tell you

	This symbol demonstrates that the garment is suitable for protection against chemicals. The mark followed by 0120 indicates that this is equipment of Complex Design (cat 3), and that the product is manufactured under a quality system, which has been approved by, notified body 0120 (SGS, 202B Worle Parkway, Western-super-mare, BS22 6WA, UK		
	Type 3 - Limited use clothing, with liquid tight connections.		
	EN 14605: 2005 Type 4 - Limited use clothing, with liquid tight connections.		
	ENISO 13982-1: 2004 Type 5 - Limited use clothing offering particle protection.		
	EN 1149-1:1995 Antistatic Clothing (Electrostatic dissipative protective clothing to avoid incendiary discharges).		
	EN 1073-2:2002 Radioactive Contamination		
	EN 14126:2003 Infective Agents Protection		
	The open book pictogram - indicates that the user should read and understand the USER INSTRUCTIONS before using the garment.		
	Do not wash		Do not iron
	Do not tumble dry		Do not dry clean
	Do not use chlorine-based bleach		

Product Performance Data

To be certified as a Type 3/4 and Type 5 chemical protective garment, KLEENGUARD* A71 must meet certain performance requirements laid down by CEN, the European committee for normalization. The standards apply throughout all member states of the EU.

For each property test data is classified into bands indicted by a Class number on a scale where 1 is lowest. There are a different number of classes for different tests. For some tests a simple pass/fail result is given.

The product performance data for KLEENGUARD* A71 Coveralls is shown below.



Limited Use Chemical Protective Clothing Type 3/4 & 5

Property	Test Method	Class/Result
Abrasion Resistance	EN 530 M2	Class 6
Flex Cracking	EN ISO 7854 MB	Class 2
Trapezoidal Tear Resistance	ISO 9073-4	Class 2
Tensile Strength	EN ISO 13934-1	Class 1
Puncture Resistance	EN 863	Class 2
Resistance to Permeation by Liquid Chemicals	ISO 6529:2001	10%NaOH Class 6 30%H_2SO_4 Class 6
Seam Strength	EN ISO 13935-2	Class 3
Resistance to Penetration by Liquids (Jet Test)	ENISO 17491-3	PASS
Resistance to Penetration by Liquids (Spray Test)	ENISO 17491-4	PASS
Particle Inward Leakage	EN ISO 13982-2	PASS TiLa = 4.13%



EN 1149-1:1996 Antistatic Clothing

Surface Resistivity	EN 1149-1	PASS



EN 1073-2:2002 Radioactive Contamination

Nomimal Protection Factor	EN 1073-2	Class 1



EN 14126:2003 Infective Agents Protection

Resistance to penetrate - blood & body fluids	ISO/FDIS 16603	PASS
Resistance to penetrate - blood-borne pathogens	ISO/FDIS 16604	Class 6
Determination of penetration by bacteria	ISO/FDIS 22610	Class 6
Determination of penetration by biologically contaminated aerosols	ISO/FDIS 22611	Class 3
Determination of penetration by biologically contaminated dust	ISO/FDIS 22612	Class 3

DEDICATED TO PROTECTING YOU

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