KIMTECH*
Protective Clothing

INFOFAX

KIMTECH SCIENCE* *A7* Lab Coat Product Description

Intended Use

KIMTECH SCIENCE A7 Lab Coats*

- *Limited life protective clothing designed to protect the user against liquid chemicals in the form of light splashes, sprays and aerosols where the chemical is considered of low risk and the risk of chemical exposure is low.*
- *Approved as Complex Design (category 3) equipment offering protection to the levels specified for Type 6 limited chemical splash - PARTS OF THE BODY, PB[6].*

Product Description

Kimberly-Clark has invested in garment design and in the development of materials specifically for protective clothing to be able to offer the user the ideal combination of protection with comfort.

The Fabric

KIMTECH SCIENCE A7 Lab Coats are made from an engineered structure called SMS which was invented by Kimberly-Clark and initially used to offer medical staff protection with comfort in critical conditions. The fabric has been developed to suit it for the challenges of industrial applications. The 3 layers of the fabric are made up of polyolefin fibres, which are carefully engineered to deliver a combination of strength, durability and protection. The outer layers use large strong fibres to resist wear and tear and protect the central core layer. The centre of the structure is made up of closely packed fine fibres, which act as a highly efficient filter to particles, and as a barrier to many liquids.*

The Seams

To provide high strength seams with barrier properties serged seams are used with triple overlock stitching.

Silicone Free

All components are carefully selected and specified as silicone free.

Symbols and Marking on the Garment

	*This symbol demonstrates that the garment is suitable for protection against chemicals. The CE mark followed by 0120 indicates that this is equipment of Complex Design (category 3) and that the product is manufactured under a quality system, which has been approved by, notified body 0120 (SGS Yardley International).*
	*EN 13034: 2005 Type 6 - Limited use clothing offering PARTS OF THE BODY, PB[6] limited splash protection.*
	*EN 1149-1:1995 Antistatic Clothing* *(electrostatic dissipative protective clothing to avoid incendiary discharges).*

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	*The open book pictogram - indicates that the user should read and understand the USER INSTRUCTIONS before using the garment..*
	*Inflammable. Keep away from open flames, sparks or intense heat sources. The fabric will begin to melt at approx. 120°C .*
	*Do not wash.*
	*Do not tumble dry.*
	*Do not use chlorine-based bleach.*
	*Do not iron.*
	*Do not dry clean.*

Product Performance Data

To be certified as a Type 6 chemical protective garment, KIMTECH SCIENCE A7 Lab Coats must meet certain performance requirements laid down by CEN, the European committee for normalisation. The standards apply throughout all member states of the EU.*

For each property test data is classified into bands indicated 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.



Limited Use Chemical Protective Clothing,
EN 13034: 2005 Type 6 Limited Splash, PARTS OF THE BODY, PB[6]

Property	*Test Method*	*Class/Result*
Abrasion Resistance	*EN 530 M2*	*Class 2 (visual)*
Trapezoidal Tear Resistance	*ISO 9073-4*	*Class 2*
Tensile Strength	*EN ISO 13934-1*	*Class 1*
Puncture Resistance	*EN 863*	*Class 1*
Repellency to Liquid Chemicals	*EN 368*	*10%NaOH Class 3* *30%H_2SO_4 Class 3*
Resistance to Penetration by Liquid Chemicals	*EN 368*	*10%NaOH Class 3* *30%H_2SO_4 Class 3*
Resistance to Ignition	*EN 13274-4 M3*	*PASS*
Seam Strength	*EN ISO 13935-2*	*Class 3*
Resistance to Penetration by Liquids (spray test)	*EN 468 (modified)*	*Not Tested (parts of the body)*

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EN 1149-1:1995 Antistatic Clothing

Surface Resistivity	EN 1149-1	PASS	PASS

DEDICATED TO PROTECTING YOU

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