

Technical Data Sheet

ChemMAX 2

Product Description	Lightweight disposable and cost effective chemical suit for protection against splashes and sprays of hazardous chemicals in type 3 and 4 applications
Material	143 gsm saranex barrier film laminated to bicomponent spunbound
Standard Style	Coverall with Hood, elastic waist wrists and ankles * other styles available
Seam Type	Stitched and PE Taped
Colour	White

CE Standards	Description	Approved
EN 340: 2002	Protective Clothing: General Requirements	Yes
EN 13034: 2005	Protection from reduced Spray of liquid chemicals - Type 6	Yes
EN 13982: 2004	Protection from hazardous dry particles - Type 5	Yes
EN 14605: 2005	Liquid Chemical protection : Garments with spray tight seams - Type 4	Yes
EN 14065: 2005	Liquid Chemical Protection : Garments with liquid tight seams - Type 3	Yes
EN 1149-1: 2005	Anti-static requirements (Surface Resistance)	Yes
EN 1073: 2002	Protection from radiation contaminated particulates	N/A

Physical Properties				
Test No	Description	Units	Result	EN Class
EN 530	Abrasion Resistance	cycles	>2000	6
EN 863	Puncture Resistance	N	11.8	2
ISO 2960	Bursting strength	KN/M ²	115.1	2
ISO 7854	Flex Cracking Resistance	cycles	>1000k	6
ASI 9073	Trapezoidal Tear Strength md/cd	N	167.2/67.5	6/4
EN 5082	Seam Strength	N	148.3	4

Liquid Chemical Repellency and Permeation				
Test No	Description	Chemical	Fabric	Seam
EN 374-3	Chemical Permeation (For Type 3 / 4 garments)	Sulphuric Acid 30%	>480	>480
		Sodium Hydroxide 10%	>480	>480
		Butan-1-ol	>480	>480
			Repellency %	Penetration %
EN 368	Chemical Repellency (For Type 5/6 garments)	Sulphuric Acid 30%	98.1	0
		Sodium Hydroxide 10%	99.2	0
		O Xylene	97.0	0
		Butan-1-OI	95.2	0

Note: The latest version of EN 14605 (type 3 & 4) requires a chemical permeation test against the seam as well as the fabric.

For a list of further chemicals tested please see product leaflets and information

**For Further information please contact
Lakeland Europe on +44 1430 478140 or
sales-europe@lakeland.com**

Lakeland Industries Europe Ltd
Jet Park 2, 244 Main Road, Newport, East Yorkshire
United Kingdom
Tel: +44 1430 478140 / Fax: +44 1430 478144
sales-europe@lakeland.com