

# Technical Data Sheet

## ChemMAX 3 ECP

<b>Product Description</b>	Uses multi layer composite technology featuring EVOH barrier film and LDPE tie layers to enable an effective and tough high barrier to a wide range of hazardous chemicals.
<b>Material</b>	150 gsm multi layer composite film including an EVOH barrier film
<b>Standard Style</b>	Fully encapsulating, full hood with PVC face shield, Air inlet hose with ties, hood mounted sealed exit valve, attached socks with boot overflap, double cuff with glove overflap and flat back. flat back for use with remote air supply (Expanded back for SCBA version available)
<b>Seam Type</b>	Stitched and PE Taped
<b>Colour</b>	Grey

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	Yes

Physical Properties				
Test No	Description	Units	Result	EN Class
EN 530	Abrasion Resistance	cycles	>100<500	2
EN 863	Puncture Resistance	N	11.4	2
ISO 2960	Bursting strength	KN/M <sup>2</sup>	81.6/94.1	2
ISO 7854	Flex Cracking Resistance	cycles	>15000	4
ASI 9073	Trapezoidal Tear Strength md/cd	N	88.2/50.4	4/3
EN 5082	Seam Strength	N	165.28	4

Liquid Chemical Repellency and Permeation				
Test No	Description	Chemical	Repellency %	Penetration %
EN 368	Chemical Repellency (For Type 6 garments)	Sulphuric Acid 30%	96.03	0
		Sodium Hydroxide 10%	96.11	0
		<b>Chemical</b>	<b>Normalises Breakthrough in minutes</b>	
			<b>Fabric</b>	<b>Seam</b>
EN 369	Chemical Permeation (For Type 3 / 4 garments)	Sulphuric Acid 98%	>480	>480
		Sodium Hydroxide 40%	>480	-
		O Xylene	>480	-
		Butan-1-ol	>480	-

*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  
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