

# RSG Chemical Workwear Chem 1 series

## 100201



<b>Product Code</b>	<b>100201</b>
Product description	Lightweight disposables and cost effective chemical suit for protection against splashes and sprays of hazardous chemicals in type 3 and 4 applications
Material	78gsm HDPE barrier film laminate
Standard Style	Coverall with hood, elastic waist, wrists and ankles
Seam Type	Stitched and PE taped
Colour	Yellow



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 14605: 2005	Liquid Chemical protection: Garments with spray tight seams – Type 3	Yes
EN 1149-5: 2008	Anti-static requirements (Surface Resistance)	Yes
EN 1073: 2002	Protection from radiation contaminated particulates	Yes
EN 14126: 2003	Protection against infectious agents	Yes

### Physical Properties

Test No	Description	Units	Result	EN Class
EN 530	Abrasion Resistance	Cycles	<500	2
EN 863	Puncture Resistance	N	10.9	2
ISO 2960	Bursting Strength	KN/M <sup>2</sup>	79.0	1
ISO 7854	Flex Cracking Resistance	Cycles	>1000<2500	1
ISO 9073	Trapezoidal Tear Strength md/cd	N	57.0/43.0	3
ISO 9073	Trapezoidal Tear Mean	N	104.9	3
ISO 5082	Seam Strength	N	50.0	3

### Liquid Chemical Repellency and Permeation

Test No.	Description	Chemical	Repellency %	Penetration %
<b>EN 368</b>	Chemical Repellency (For Type 6 garments)	Sulphuric Acid 30%		0
		Sodium Hydroxide 10%		0
		o-Xylene	94.9	0
		Butan 1-ol	94.6	0
		<b>Chemical</b>	<b>Normalises Breakthrough in minutes</b>	
			<b>Fabric</b>	<b>Seam</b>
<b>EN 369</b>	Chemical Permeation (For Type ¾ garments)	Sulphuric Acid 30%	>480	>480
		Sodium Hydroxide 42%	>480	-

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