Alpha Solway Limited
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TECHNICAL DATA

"CHEMMASTER" RANGE

GARMENTS PROVIDING CHEMICAL PROTECTION TO PARTS OF THE BODY

To The Requirements Of :-
BS EN 467:1995

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Chemical Garment [Chemmaster]
- Providing Chemical Protection To Parts Of The Body

Material:- 380g/m² Plasticised PVC, coated on both sides of substrate, and pigmented.

Standard:- BS EN 467:1995
Protective Clothing.
Protection Against Liquid Chemicals.
Performance Requirements For Garments Providing Protection To Parts Of The Body

Performance:- Laboratory results, when tested in accordance with the requirements of BS EN 466-1:1995, the material/garment shall achieve the performance classifications as indicated below.

EN 466-1 Clause	Test	Test Method	Test Result	Classification
4.4	Abrasion Resistance	prEN 530	> 2,000 Cycles	**Class 6**
4.5	Stability To Heat [Blocking Resistance]	ISO 5978	Very Slight Blocking [Face To Face]	**Between 2 and 1**
4.6	Flex Cracking Resistance	ISO 7854	> 300,000 Cycles	**Class 5**
4.7	Puncture Resistance	prEN 863	> 10 N	**Class 2**
4.8	Tear Resistance	ISO 4674 (A.1)	> 20 N	**Class 2**
4.9	Coating Adhesion Strength	ISO 2411	> 1,250 N/m	**Class 5**
4.10	Resistance To Permeation By Liquids	EN 369		
	- Chemicals Tested [Purity:- % (w/w), except Sodium Hydroxide, % (w/v)]			
	95-98 % Sulphuric Acid		B.T. >10 mins.	**Class 1**
	99.8 % [Glacial] Acetic		B.T. >30 mins.	**Class 2**
	35 % Ammonia Solution [0.88 S.G.]		B.T. >10 mins.	**Class 1**
	48 % Sodium Hydroxide Solution		B.T. >480 mins.	**Class 6**
	99+ % n-Hexane		B.T. <10 mins.	**Unclassified**
	99 % Toluene		B.T. <10 mins.	**Unclassified**
	99 % Petrol [Unleaded]		B.T. <10 mins.	**Unclassified**
	99.9 % Chloroform		B.T. <10 mins	**Unclassified**
	99+ % Acetone		B.T. <10 mins.	**Unclassified**
	99.8 % Cyclohexanone		B.T. >10 mins.	**Class 1**
	99.9+ % Methanol		B.T. >10 mins.	**Class 1**
5.2	Seam Strength	ISO 5082	> 300 N	**Class 5**