



MICROCHEM[®] 3000 Coverall, Model 111

Front entry coverall with double zip system.
Elasticated hood, waist & ankles. Elasticated double cuffs.

| | |
|---------------------|-----------------------|
| Part Number: | YE30-W-00-111 |
| Seam Type: | Ultrasonically welded |
| CE Category: | Cat III |

Fabric Details

Spunbond PP with barrier film

| | |
|--|--------|
| BS EN 20811 Hydrostatic Head (water pressure test) | >350cm |
|--|--------|

| EN14325 Fabric Physical Test Results | Result | EN Class |
|--------------------------------------|---------|----------|
| EN 530 Abrasion | 500 | 3 of 6 |
| EN ISO 7854 Flex Cracking | 100,000 | 6 of 6 |
| EN ISO 9073-4 Tear Resistance (MD) | 44N | 2 of 6 |
| EN ISO 9073-4 Tear Resistance (CD) | 29N | |
| EN ISO 13934-1 Tensile Strength (MD) | 109N | 2 of 6 |
| EN ISO 13934-1 Tensile Strength (CD) | 62N | |
| EN 863 Puncture Resistance | 10N | 2 of 6 |
| EN ISO 13938-1 Burst Resistance | 90kPa | 2 of 6 |
| EN 13274-4 Resistance to ignition | Pass | - |
| EN 1149-1 Anti-static | Pass | - |

| Whole Suit "TYPE" Testing | |
|---|-----------------------|
| EN 14605 Type 3 | Pass |
| EN 14605 Type 4 | Pass |
| EN ISO 13982-1 Type 5 | Pass |
| EN ISO 13982-1 (&2) Type 5 | Pass <4% TIL |
| EN 1073-2 Barrier to Radioactive particulates | Pass - Class 1 |
| ISO 13935-2 Seam Strength | >125N Class 4 of 6 |

EN14126 Fabric Barrier to Infective Agents

| | |
|---|--|
| ISO 16603 Resistance to penetration by blood/fluids under pressure | Pass to 20kPa Class 6 of 6 |
| ISO 16604 Resistance to penetration by blood borne pathogens | Pass to 20kPa Class 6 of 6 |
| EN ISO 22610 Resistance to wet bacterial penetration (mechanical contact) | No penetration (up to 75 mins) Class 6 of 6 |
| ISO/DIS 22611 Resistance to biologically contaminated aerosols | No penetration Class 3 of 3 |
| ISO 22612 Resistance to dry microbial penetration | No penetration Class 3 of 3 |





EN ISO 6529 Chemical Permeation Test Results** (NBT at 1.0µg/cm²/min)

| Chemical Name | Cas Number | Normalised Breakthrough Time (minutes) | EN Class |
|--|------------|--|----------|
| Acetone | 67-64-1 | 28 mins | 1 of 6 |
| Acetonitrile | 75-05-8 | Immediate | - |
| Ammonia Gas | 7664-41-7 | Immediate | - |
| Carbon Disulfide | 75-15-0 | Immediate | - |
| Chlorine Gas (99.5%) | 7782-50-5 | 10 mins | 1 of 6 |
| Dichloromethane | 75-09-02 | Immediate | - |
| Diethylamine | 109-89-7 | Immediate | - |
| Ethyl Acetate | 141-78-6 | Immediate | - |
| n-heptane | 110-54-3 | Immediate | - |
| Hydrazine monohydrate 98% (containing Hydrazine, 64-65 wt%) | 7803-57-8 | >540 mins | 6 of 6 |
| Mercury | 7439-97-6 | >540 mins | 6 of 6 |
| Methanol | 67-56-1 | >540 mins | 6 of 6 |
| Sodium Hydroxide (40%) | 1310-73-2 | >540 mins | 6 of 6 |
| Sulphuric Acid (96%) | 7664-93-9 | >540 mins | 6 of 6 |
| Tetrahydrofuran | 109-99-9 | Immediate | - |
| Toluene | 108-88-3 | Immediate | - |

**MICROCHEM® 3000 has been tested against numerous liquid chemicals. For information on specific chemicals please visit www.microgard.com



YE30-W-00-111

MICROCHEM® 3000 - Suit Features

- Double zip system helps ensure a liquid tight seal
- Double cuff design to enable a liquid tight connection with chemical protective gauntlets*
- Hood designed for optimum fit with full face respirators
- Ultrasonically welded seams



* Additional taping required

Safety Note: All chemical tests and breakthrough times given relate to laboratory tests on fabrics only. Seams and closures may have lower breakthrough times, particularly when worn or damaged. It is the user's responsibility to select an appropriate garment, gloves, boots and other equipment for the particular use. The user shall be responsible for determining how long the garment can be worn for the particular use and whether it can be suitably cleaned for re-use. Microgard Limited does not give any warranties or make any representations about its garments other than those contained in the official literature supplied by Microgard Limited with each garment.