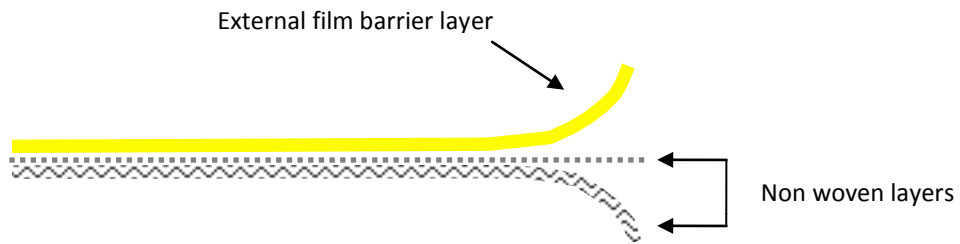


# Fabric Technical Data Sheet



|                           |                              |
|---------------------------|------------------------------|
| <b>Basic Description:</b> | Multi-layer barrier laminate |
| <b>Basis Weight:</b>      | 75 gsm                       |
| <b>Colour(s):</b>         | Yellow                       |

| EN Physical Performance  |                         |                     |
|--|-------------------------|---------------------|
| Test Method  | Result                  | EN Class (EN 14325) |
| EN 530 Abrasion  | 500 cycles              | 3 of 6              |
| EN ISO 7854 Flex Cracking                                      | 100,000 cycles          | 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                    | -                   |
| EN25978 Resistance to blocking                                 | No Blocking             | -                   |
| EN 1149-1: 2006 Electrostatic Properties (surface resistivity) | <5.0 x 10 <sup>10</sup> | -                   |

| EN 14126: 2003 - Barrier to Infective Agents                                 |                                |          |
|--|--------------------------------|----------|
| Test Method  | Result                         | EN Class |
| ISO 16603<br>Resistance to penetration by blood/fluids under pressure        | Pass to 20kPa                  | 6 of 6   |
| ISO 16604<br>Resistance to penetration by blood borne pathogens              | Pass to 20kPa                  | 6 of 6   |
| EN ISO 22610<br>Resistance to wet bacterial penetration (mechanical contact) | No penetration (up to 75 mins) | 6 of 6   |
| ISO/DIS 22611<br>Resistance to biologically contaminated aerosols            | No penetration                 | 3 of 3   |
| ISO 22612<br>Resistance to dry microbial penetration                         | No penetration                 | 3 of 3   |



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| EN ISO 6529: 2001 Chemical Permeation Barrier**                |            |   |   |
|--|------------|---|---|
| Chemical Name  | CAS Number | BT at 0.1µg/cm <sup>2</sup> /min (mins) | BT at 1.0µg/cm <sup>2</sup> /min (mins) |
| Acetic Acid, Glacial (99.88wt%)                                | 64-19-7    | -                                       | >540                                    |
| Acetone  | 67-64-1    | 4                                       | 30                                      |
| Acrylic Acid   | 79-10-7    | -                                       | >480                                    |
| Dimethylformamide N, N (>99.8 wt%)                             | 68-12-2    | -                                       | >480                                    |
| Hydrochloric Acid (36-37wt%)                                   | 7647-01-0  | 193                                     | >540                                    |
| Hydrogen Peroxide  | 7722-84-1  | -                                       | >480                                    |
| Mercury  | 7439-97-6  | >480                                    | >480                                    |
| Methanol (> 99.5 wt%)  | 67-56-1    | <1                                      | >480                                    |
| Nitrobenzene (99.99 wt%)                                       | 98-95-3    | -                                       | >480                                    |
| Perchloric Acid (30wt%)  | 7601-90-3  | >540                                    | >540                                    |
| Sodium Hydroxide (aq, 50wt%)                                   | 1310-73-2  | >540                                    | >540                                    |
| Sodium Hydroxide (aq, 50wt%) at 80°C                           | 1310-73-2  | >540                                    | >540                                    |
| Sodium Hypochlorite Solution (aq., 14.5wt% available chlorine) | 7681-52-9  | >480                                    | >480                                    |
| Sulphuric Acid (95-96 wt%)                                     | 7664-93-9  | >540                                    | >540                                    |

\*\*For a full and up to date list of chemicals tested please visit [www.microgard.com](http://www.microgard.com) or e-mail the Microgard Technical Team at [technical@microgard.com](mailto:technical@microgard.com)

**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.

  
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