

Technical Data Sheet

| Summary | |
|-----------------------|--|
| Product | Pyrolon Plus 2 |
| Description | FR properties that work! Lightweight and breathable Type 5 & 6 / EN 14116 garment proved to reduce body burn when worn as a thermal protective over-garment. |
| Fabric & weight | Mix of viscose, rayon and FR chemistry. 75 gsm |
| Style *(see overleaf) | EWP428 |
| Seam Type | 3 thread over lock stitch |
| Colour | White |



| CE Certification | | |
|--------------------|---|------------------------------|
| EN Standard* | Description | Result |
| EN 340: 2002 | Protective Clothing : general Requirements | Pass |
| EN 13034: 2005 | Type 6: Protection against light spray of liquids | Pass |
| EN 13982: 2004 | Type 5: protection against hazardous dry particles | Pass |
| EN 14605: 2004 | Type 3 & 4: Protection against splashes and sprays of liquid chemicals | NT |
| EN 1073: 2002 | Protection against dust particles that may be contaminated with radiations | Pass |
| EN ISO 14116: 2008 | Limited flame spread | Pass |
| EN 1149-5: 2008 | Anti-static garment requirements: (Includes approval for ATEX requirements) | 52 x 10 ⁶ Pass |

* All Lakeland garments are certified to the latest version of standards where possible

| Mechanical Properties | | | |
|-----------------------|------------------------|---------------|-----------|
| EN Standard | Description | Result | EN Class |
| EN 13934 | Tensile Strength | 76.1/40.1 N | Class 2/1 |
| EN 530 | Abrasion Resistance | <1500 Cycles | Class 3 |
| EN 863 | Puncture Resistance | 12.2 N | Class 2 |
| ISO 2960 | Burst Strength | 290 kPa | Class 3 |
| ISO 7854 | Flex Cracking | 100000 Cycles | Class 6 |
| ISO 9073 | Trapezoidal tear md/cd | 24.2/26.7 N | Class 2 |
| ISO 9073 | Trapezoidal tear-mean | 25.45 N | Class 2 |
| ISO 5082 | Seam Strength | 63 N | Class 2 |

| Chemical Repellency – EN 368 (for Type 6) | | |
|---|------------|-------------|
| Chemical | EN Class | |
| | Repellency | Penetration |
| Sulphuric Acid 30% | Class 3 | Class 2 |
| Sodium Hydroxide 10% | Class 3 | Class 3 |
| O-Xylene | Class 1 | Class 1 |
| Butan-1-ol | Unc | Unc |

| Chemical Permeation – EN 6529 – For Types 1 to 4 | | |
|--|-----------|-------------------|
| The chemical list below is from EN 6529 Annex A2 and is intended to provide a broad spectrum of chemical types if general chemical suit assessment | | |
| Chemical | CAS No | Result / EN Class |
| Acetone | 67-64-1 | - |
| Acetonitrile | 75-05-8 | - |
| Carbon Disulphide | 75-15-8 | - |
| Dichloromethane | 75-09-2 | - |
| Diethylamine | 109-89-7 | - |
| Ethyl Acetate | 141-78-6 | - |
| n-Hexane | 110-54-3 | - |
| Methanol | 67-56-01 | - |
| Sodium Hydroxide | 1310-73-2 | - |
| Sulphuric Acid (96%) | 7664-93-9 | - |
| Tetrahydrofuran | 109-99-9 | - |
| Toluene | 108-88-3 | - |

Breakthrough times are a reflection controlled lab tests measuring "Normalised Breakthrough" as the time to reach a permeation rate of 1.0µg/min/cm². This does not imply "no breakthrough" and is not intended to indicate any duration of "safe-use" in any specific application. It is always the users' final responsibility to ensure a garment is suitable for the application.

| Key Features | |
|---|--|
| <ul style="list-style-type: none"> Pyrolon superior FR fabric with additional nylon scrim to increase strength and durability More effective FR properties than FR SMS garments which have extremely limited and questionable FR abilities Viscose based fabric specifically engineered for its FR properties Highly breathable, so comfortable to wear Soft and flexible fabric Coverall with 3 piece hood, inset sleeves, 2 piece diamond crotch gusset, elasticated hood, waist, cuffs and ankles. | |
| Suggested Applications | |
| <ul style="list-style-type: none"> Petrochemical & Refining Industries Wear over thermal protective garments without compromising chemical protection Maintenance applications Fuel handling and distribution | |