

Pyrolon® TPCR



ETPCR428

Lakeland Pyrolon™ TPCR offers users a unique combination of protection against multiple risks in a single, limited life coverall.

FEATURES

- FR chemical Barrier film laminated to FR base - 330gsm.
- 'Blanket' base fabric offers good FR and high level arc protection.
- Fabric does not ignite in FR tests.
- Achieves Arc Thermal Protective Value of 21.9 cal/m² - HRC Class 2.
- Melting point of 232°C - will resist splashes of hot liquids.
- Single coverall for protection covers multiple risks:
 - Flame and heat protection to EN 11612 - A1/A2.
 - Chemical splash and spray protection to Types 3 & 4 (EN 14605)
 - Passed all heat resistance tests - EN Class 1 in all tests : Convective, radiant and contact heat + molten aluminium and iron splash similar to most FR woven fabrics.
 - Protection against thermal hazards of electric arc.. class 1 (4kA) in EN 61482-1-2
 - Arc Thermal Protective Value (ATPV) according to ASTM 1959 test = 21.9 cal/m²
 - Protection for welding and allied process to EN 11611.
- Soft and flexible fabric for enhanced comfort.
- Fabric is tough and durable. Can be used more than once if uncontaminated and un-damaged. Decision on re-use is the users' responsibility.
- Replace FR garments in dirty or physically demanding areas to reduce costs of replacement and laundering.

KEY APPLICATIONS

- ▶ Wear for liquid chemical protection where contact with small flame is possible.
- ▶ Petrochemical and refining industries.
- ▶ Tank/ pressure cleaning involving flammable liquids.
- ▶ Petroleum distribution and processing.

Physical Properties

Property	EN Standard	CE Class
Abrasion Resistance	EN 530	2
Flex Cracking	ISO 7854	4
Trapezoidal Tear	ISO 9073	4
Tensile Strength	EN 13934	2
Puncture Resistance	EN 863	2
Anti-Static (Surface Resistance)	EN 1149-1	<2.5 x 10 ⁹ ohms
Seam Strength	EN 13935-2	5

Pyrolon® TPCR Styles



428,Coverall
Coverall with hood, elastic cuffs, waist & ankles. Double front zip fastening, cushioned kneepads.



201H, coat
Coat with hood, zipper closure, elastic cuffs & waist.



301,Pants
Pants with elastic waist and ankles.

Garment Material Flame Resistance Performance

Property	Standards	Results
Heat resistance (at 180 °C)	ISO17493	Fabrics did not ignite or melt. MAX shrinkage = 0.6% No flaming to edge.
Limited flame spread (Face ignition A1)	ISO 15025:2000 Method A	No holing. No melting or flaming or molten debris. Mean after flame time = 0 Mean afterglow time = 0
Convective heat (B)	ISO 9151:1995	6.2S, B1
Radiation heat (C)	ISO 6942:2002	17.5S, C1
Molten aluminum splash (D)	ISO 9185:2007	100g, D1
Molten iron splash (E)	ISO 9185:2007	60g, E1
Contact heat (F)	ISO 12127:1996 Tc=250	8.4S, F1

Product Style	Color	Seam Method	Sizes	Case Pack
ETPCR428	Orange ●	Heat Sealed Seam	S-XXXL	1
ETPCR201H/ ETPCR301	Orange ●	Heat Sealed Seam	S-XXXL	1