TECHNICAL SHEET

POLYTECH SERIES

POLYTECH PLUS 2/1 jacket

MC5844PR

MATERIALS

Outer: 65% Lenzing™ FR viscose, 22% aramid, 12% polyamide, 1% dissipative fiber. Inner: 64% Lenzing™ FR viscose, 35% aramid, 1% dissipative fiber.

WEIGHT

Outer 250 g/m², inner 150 g/m²

FEATURES

The Polytech Plus series is certified for electric arc in class 2 and, thanks to the LENZING™ FR fabric combined with other high-performance fibers, guarantees inherently flame-retardant protection. The fabric is also biodegradable and compostable. The NAQUA eco-finish treatment offers high performance in terms of water repellency. The finish is up to three times more durable than other non-fluorinated repellents. Work jacket made of inherently flame-retardant multi-purpose fabric, designed to ensure maximum safety for those working in high-risk environments where exposure to multiple hazards is constant. It offers integrated protection from flames, convective, radiant, and contact heat, as well as from small splashes of molten metal. The garment also guarantees protection against limited splashes of liquid chemicals. The main component, Lenzing™ FR – an inherently flame-retardant viscose – ensures comfort, breathability, and thermal protection. The fabric is designed to offer high mechanical resistance, while the composition and structure of the fibers ensure superior durability over time. The double-layered fabric construction on the front of the garment contributes to uniform and complete protection against heat generated by electric arc, containing the released energy up to 7 kA. On the back, where a single layer of fabric is present, protection is guaranteed up to 4 kA. The antistatic properties of the fabric complete the garment's safety profile. Reflective bands sewn onto the garment ensure operator visibility in low-light conditions or in the presence of direct light sources, such as vehicle headlights. This feature is also particularly effective in medium-risk operational contexts. The mandarin collar, free of points or protruding flaps, effectively protects the cervical area from heat, splashes, and external agents, while reducing the risk of entanglement in machinery or equipment.



The 5 pockets make it extremely functional and practical, allowing essential tools and items to always be within reach during work. Cuffs with elasticated inserts ensure a snug fit at the wrist, preventing the entry of dust, debris, splashes, and chemical agents into the sleeve. Reflective inserts on the sleeves and chest contribute to increasing operator safety in environments characterized by low light or reduced visibility.

DETAILS

- Mandarin collar effectively protects the cervical area from potentially harmful external agents;
- Right chest pocket, covered by flap and velcro, ensures quick and convenient access to smaller items;
- Left chest pocket with mobile phone and pen holders, covered by flap and velcro, keeps essential work tools within easy reach;
- 2 lower pockets closed with flap and velcro;
- Left internal pocket, ideal for storing valuables;
- Elasticated wrist inserts prevent the entry of dust, debris, splashes, or chemical agents into the sleeve;
- Double stitching in areas most subject to stress and wear, to ensure greater resistance and durability.

Differentiated protection; jacket back is unlined.

IMPORTANT

The jacket is certified in combination with the Polytech Plus 2/1 trousers MC5841.

AVAILABLE COLOURS

CC - ANTHRACITE/BLACK

LE - RED/ANTHRACITE

PR - ROYAL/BLUE

SIZES

42	44	46	48	50
52	54	56	58	60
62	64	66	68	70
SM				

In stock
On production
Made to order
Tailor made

FIELDS OF USE

> CHEMICAL-PHARMACEUTICAL INDUSTRY

> LIGHT INDUSTRY

> HEAVY INDUSTRY

> PETROCHEMICAL INDUSTRY

MAINTENANCE

Please follow the recommended washing instructions.



QUANTITY PER CARTON

20

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CATEGORY

III -> This product is currently planned and produced to comply with Regulation (EU) 2016/425 and subsequent modifications.

CERTIFICATIONS AND STANDARDS



ELECTROSTATIC PROPERTIES

EN 1149-5



WELDING OPERATIONS

EN ISO 11611

Class: 1
Values: A1+A2



HEAT AND FLAME

EN ISO 11612

Limited Flame Spread: A1+A2
Convective Heat: B1
Radiant Heat: C1
Molten Iron Splashes: E2
Contact Heat: F1



CHEMICAL PROTECTION TYPE 6

EN 13034

Type: 6



ENHANCED VISIBILITY

EN 17353

Type: B2



ELECTRIC ARC HEAT

EN 61482-2

APC: 2/1
ATPV: 20 cal/cm²
ATPV (Fabric): 20 cal/cm²
ELIM (Fabric): 20 cal/cm²



The main external fabric is OEKO-TEX® Standard 100 certified