TECHNICAL SHEET

POLYTECH SERIES

POLYTECH PLUS 2/1 trousers

MC5841CC

MATERIALS

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

FEATURES

The Polytech Plus series is arc flash certified to Class 2 and, thanks to 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 trousers made from intrinsically flame-retardant, multi-purpose fabric, designed to ensure maximum safety for those working in high-risk environments where exposure to multiple hazards is constant. They offer 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-resistant 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 long-term durability. The double-layered fabric construction on the front of the garment contributes to uniform and complete protection against heat generated by an electric arc, containing the energy released up to 7 kA. On the back, where there is a single layer of fabric, 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 6 pockets make it extremely functional and practical, allowing essential tools and objects to always be within reach during work. The shaped, anti-wear reinforcement at the knee offers additional protection in areas subject to greater stress.

DETAILS

- 2 side pockets closed with flap and velcro, to ensure quick and convenient access to smaller items;
- 2 technical pockets closed with flap and velcro allow storing bulkier items, without the risk of them falling out;
- 2 back pockets with flap and velcro;
- Shaped abrasion-resistant knee reinforcement designed to offer greater durability and resistance;
- Double stitching in the areas most subject to stress and wear, to ensure greater strength and durability.

Differentiated protection, unlined back of the trousers.

IMPORTANT

The trousers are certified in combination with the Polytech Plus 2/1 jacket MC5844.

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

CATEGORY

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

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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