UDYOGI®
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MET-PROTEK™

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TECHNICAL DATA SHEET

MT330NRT
D3E3 Trouser

Metprotek D3E3 IFR 330 gsm Trouser

PRODUCT INTRODUCTION

Metprotek Inherently Flame Retardant (IFR) Trouser are a crucial element of personal protective equipment (PPE) designed to safeguard workers in environ ments where exposure to molten metal, flams, heat, and flash fire hazards is a risk. IFR Trouser are made from the fabric that have built-in flame-resistant properties that do not wash or wear out over time. This makes them a reliable choice for industries such as molten metal (aluminium, zinc,iron) , oil and gas, electrical utilies and other sectors where fire hazards are prevalent.

SPECIAL FEATURES

IFR	WASHABLE	LIGHT WEIGHT	FLEXIBLE	BREATHABLE	DURABLE	SKIN FRIENDLY	QUALITY PRODUCT

STYLE	FABRIC COMPOSITION	TRIM	MARKING
Trouser	100% Inherent Flame Retardant Fabric 330-340 gsm (FR Viscose/ Wool/ Nylon) ±5%	100% Meta-Aramid Thread FR Button	Manufacturer Logo, Model No, Washcare Instruction, Certification, Fabric Composition, Size

FEATURES
Skin friendly fabric
Protection against molten iron
Protect against thermal effects of an ARC Flash
FR performance will remain same till the last washing cycle
The hi-tech fabric will not cause any itchiness & stiffness

APPLICATION
Blust Furnace
Steel Melting Shop
Platemill
Raw Material Handling System
Slag Remove and Coking Plant

STORAGE
May be stored in the dark for upto 2 years
Do not store in direct/high heat or sunlight at this may distort the properties of the fabric
Can be stored and transported in their original cartons at ambient temparature

DESIGN
Front closing with platic button & zipper
Waist adjustment with belt loop
2 side pockets
2 Cargo pockets with flap
Single back pocket with flap

CLEANING	PACKING	AVAILABLE SIZES	COLOUR
Use light detergent for gentle wash	1 pc per packet	S, M, L, XL, XXL, XXXL	Navy Blue

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CERTIFICATIONS

EN ISO 11612:2015

Specifies performance requirements for protective clothing made from flexible materials which are designed to protect the wearer's body from heat and/or flame, describe in below chart:

EN ISO 11612:2015

CODE	INSPECTION CHARACTERISTIC	STANDARD	LEVELS
A	Limited Flame Spread, Surface Ignition	ISO 15025	1 (Lowest 2, Highest 1)
	Edge Ignition		2 (Lowest 2, Highest 1)
B	Convective Heat	ISO 9151	1 (Lowest 1, Highest 3)
C	Radiant Heat	ISO 6942	1 (Lowest 1, Highest 4)
D	Molten Aluminium	ISO 9185	3 (Lowest 1, Highest 3)
E	Molten Iron	ISO 9185	3 (Lowest 1, Highest 3)
F	Contact Heat	ISO 12127	1 (Lowest 1, Highest 3)

EN ISO 11611:2015

Test method specifies the minimum safety requirements for protective clothing for welding and allied processes.

IEC 61482:2020

The overall standard that covers protective clothing against the thermal arc hazards of an electric arc.

ELIM

Indicates the energy level to which the garment may be exposed with a 0% risk of second-degree burn (ATPV and EBT indicate a 50% risk of a burn).

EN 1149-5:2018

Test method for materials to be used in the production of protective clothing with electrostatic dissipation for preventing incendiary discharge.

EN ISO 13688 : 2013_A1 : 2021

Specifies general performance requirements for ergonomics, innocuousness, size designation, ageing, compatibility and marking of protective clothing and the information to be supplied by the manufacturer with the protective clothing.

EN ISO 14362-1:2017

Describes a method to detect the use of certain azo colorants that may not be used in the manufacture or treatment of certain commodities made of textile fibres and that are accessible to reducing agent with and without extraction.

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100

The above mentioned goods meet the Human-Ecological requirements of the STANDARD 100 by Oeko-Tex presently in ANNEX 4 for products direct contact to skin.

INDUSTRIES

Aluminium | Steel | Zinc | Copper | Oil & Gas | Automotive | Aerospace

WASHING INSTRUCTIONS

- Wash at maximum 60°C
- Never use chlorine bleach
- Use liquid detergents only
- Do not iron
- Do not dry clean
- Tumble dry at low heat
- Wash in an industrial washer

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TROUSER SIZE CHART						
SIZE	S	M	L	XL	2XL	3XL
LENGTH	40”	42”	43”	44”	45”	46”
WAIST	30”	32”	34”	36”	38”	40”
HIP GIRTH	20”	21”	22”	23”	24”	25”
LEG OPENING	7”1/2	8”	8”1/2	9”	9”1/2	10”

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