



TECHNICAL DATA SHEET

ADG350NT FR Trousers

All Day Garment 350 GSM Trousers

PRODUCT INTRODUCTION

ADG Treated Flame Retardant (FR) work wear are a crucial element of personal protective equipment (PPE) designed to safeguard workers in environments where exposure to molten metal, flames, heat hazards is a risk. FR workwear are made from the fabric that combines the natural properties of cotton with additional treatments to enhance its flame resistance. The fabric undergoes a treatment to make it resistant to flames. This means it won't ignite easily, and if it does catch fire, it will self-extinguish quickly, reducing the risk of burns. This makes them a reliable choice for industries such as molten metal (Iron, Steel), oil and gas, electrical utilities, and other sectors where flash fire hazards are prevalent.

SPECIAL FEATURES



FR



WASHABLE



LIGHT WEIGHT



FLEXIBLE



BREATHABLE



DURABLE



SKIN FRIENDLY



QUALITY PRODUCT



STYLE	FABRIC COMPOSITION	PPE CATEGORY	TRIM	MARKING
Trouser	100% Cotton Treated Flame Retardant Satin Fabric 350 gsm (10.32oz) ±5%	ATPV Rating 14 cal /cm ² Cat II	100% FR Thread Snap Button FR Reflective Tape	Manufacturer Logo, Model No., Fabric Composition, Certification, Size, Washcare Instruction

FEATURES

- Skin friendly fabric
- Protect against thermal effects of an ARC Flash
- Protection against molten iron
- 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 temperature

DESIGN

- Front closing with zipper and button
- Two side pockets and one back pocket
- 2" FR Silver reflective tape on below knees
- Waist adjustment with belt loop

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

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CERTIFICATIONS

 **EN ISO 11612** 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)
E	Molten Iron	ISO 9185	3 (Lowest 1, Highest 3)
F	Contact Heat	ISO 12127	1 (Lowest 1, Highest 3)



EN ISO 11611

Standard that specifies the minimum safety requirements for protective clothing used during welding and allied processes.



ASTM F1959

Test method used to calculate quantitative results (arc ratings) for FR fabrics. Arc ratings are a measure of thermal protection provided by the fabric in an arc flash.



70E

To protect personnel by reducing exposure to major electrical hazards. It helps to avoid workplace injuries and fatalities due to shock, electrocution, arc flash, and arc blast.



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.

INDUSTRY



Iron & Steel



Metals & Mining



Material Handling



Cement



Machinery & Equipment



Energy & Power



Automotive



Pharmaceutical



Automobile

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





ADG350NT FR Trousers



FR TROUSERS SIZE CHART

SIZE	S	M	L	XL	2XL	3XL
LENGTH	41"	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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