

Arc Flash

PROTECTION FROM ELECTRIC ARC EXPOSURE

The intense energy and very short duration of an electric arc flash represents a very unique exposure. Everyday work clothes made from regular cotton or poly/cotton fabrics, regardless of weight, can be readily ignited at some exposure level and will continue to burn adding to the extent of injury sustained from the arc alone. NFPA 70E now requires employees to wear flame resistant (FR) protective clothing that meets the requirements of ASTM F1506 wherever there is possible exposure to an electric arc flash. It requires employers to perform a flash hazard analysis to determine the flash protection boundary distance.

The standard is designed to protect employees working inside these flash protection boundaries by requiring

protective clothing for the corresponding Hazard/Risk Category that has an ATPV of at least the value listed in the "Protective Clothing Characteristics" section of the standard. OSHA has confirmed that garments which meet the requirements of ASTM F1506 are in compliance with OSHA 29 CFR 1910.269 Electrical Power Generation, Transmission and Distribution, with regard to garments not contributing to burn severity.



Call for Flyer

11 CAL

LEVEL 2



1 ply 9oz Navy Indura® Ultra Soft®
ATPV = 11.1 Cal/cm²

Hood	SWH-11
Jacket 35"	SWJ-11-(SIZE)
Coat 50"	SWC-11-(SIZE)
Pant	SWP-11-(SIZE)
Bib Overall	SWB-11-(SIZE)
Legging	SW-401-11
Hooded Jacket	SW-620-11-(SIZE)

20 CAL

LEVEL 2



1 ply 12oz Grey Indura® Ultra Soft®
ATPV = 20.9 Cal/cm²

Hood	SWH-20
Jacket 35"	SWJ-20-(SIZE)
Coat 50"	SWC-20-(SIZE)
Pant	SWP-20-(SIZE)
Bib Overall	SWB-20-(SIZE)
Legging	SW-401-20
Hooded Jacket	SW-620-20-(SIZE)

32 CAL

LEVEL 3



9oz over 7oz Indura® Ultra Soft®
ATPV = 32.7 Cal/cm²

Hood	SWH-32
Jacket 35"	SWJ-32-(SIZE)
Coat 50"	SWC-32-(SIZE)
Pant	SWP-32-(SIZE)
Bib Overall	SWB-32-(SIZE)
Legging	SW-401-32
Hooded Jacket	SW-620-32-(SIZE)

Arc Flash

45 CAL

LEVEL 4



9oz over 12oz Indura® Ultra Soft®
ATPV = 45.0 Cal/cm²

Hood	SWH-45
Jacket 35"	SWJ-45-(SIZE)
Coat 50"	SWC-45-(SIZE)
Pant	SWP-45-(SIZE)
Bib Overall	SWB-45-(SIZE)
Legging	SW-401-45

59 CAL

LEVEL 4



12oz over 12oz Indura® Ultra Soft®
ATPV = 59.0 Cal/cm²

Hood	SWH-59
Jacket 35"	SWJ-59-(SIZE)
Coat 50"	SWC-59-(SIZE)
Pant	SWP-59-(SIZE)
Bib Overall	SWB-59-(SIZE)
Legging	SW-401-59

76 CAL

LEVEL 4



12oz over 7oz over 12oz Indura® Ultra Soft®
ATPV = 76.2 Cal/cm²

Hood	SWH-76
Jacket 35"	SWJ-76-(SIZE)
Coat 50"	SWC-76-(SIZE)
Pant	SWP-76-(SIZE)
Bib Overall	SWB-76-(SIZE)
Legging	SW-401-76

107 CAL

LEVEL 4



Twaron® microfiber over CarbonX®
ATPV = 107.1 Cal/cm²

Hood	SWH-107
Jacket 35"	SWJ-107-(SIZE)
Coat 50"	SWC-107-(SIZE)
Pant	SWP-107-(SIZE)
Bib Overall	SWB-107-(SIZE)
Legging	SW-401-107