FR Material

Protecting you for life's best moments.

WHERE USED
Z4® shoulder capes and face seals

TYPE DESCRIPTION
Flame resistant fabric

APPLICATION RANGES
All types of electro-arc welding - covered electrodes, MIG/MAG, TIG/WIG, plasma welding, laser welding, gas welding, and others

FABRIC SPECIFICATIONS
8.5 oz Twill - 88% cotton / 12% High tenacity Nylon

3x1 LH TWILL	PROCESS AVERAGE	SPECS	TEST METHOD
WEIGHT	8.5 OZ/YD	8.5 OZ/YD² (+/-5%)	ASTM D3776
WIDTH-MIN.	63.5"	> 62.5" CUTTABLE	ASTM D3774
TEAR STRENGTH (LBS W x F)	6.7 x 4.4	> 6.0 x > 4.0	ASTM D1424 (ISO 13937)
TENSILE STRENGTH (LBS W x F)	167 x 72	> 90 x > 60	ASTM D5034
AIR PERM (CFM)	3.6	2 - 8	ASTM 737
SPRAY RATING: AS RECEIVED AFTER 20 WASH	90 70	90 60	ASTM 22 AATCC 135-3, IV, AIII (WASH)
LAUNDRY SHRINKAGE (W x F) AFTER 5 WASH	1.8% x 3.0%	< 3.0% x < 3.0%	ASTM 1506 AATCC 135-3, IV, AIII (WASH)
VERTICAL FLAME, IN. (W x F)	3.4" x 3.4"	≤ 4.0" x ≤ 4.0"	ASTM D6413
VERTICAL FLAME, IN. 100L (W x F)	2.9" X 2.9"	≤ 4.0" x ≤ 4.0"	ASTM D6413 NFPA 2112 (WASH)
ARC RATING ATPV, (CAL/CM²)	12	≥ 8.0	ASTM F1959
THERMAL MANIKIN ORIGINAL UL TEST, JULY 14, 2014	7.4%	< 50%	ASTM F1930

UL® certified to NFPA 2112 and CAN/CGSB 155.20
Arc Rated according to ASTM F1506 for NFPA 70E as HRC 2.
Note: "Process Averages" are historical averages; actual results may vary by lot (but will meet the min. "Specs.") Manikin testing at TPACC (NC State) or University of Alberta.
Guaranteed flame resistance for the life of the garment (when washed according to care instructions).
These fabrics are innovative, flame resistant materials intended to be used in garments that supplement personal protective equipment and are engineered to self-extinguish when the source of ignition is removed.