

Firefighter and FR Workwear: Regulations

	Structural Firefighter & Station Wear	Woodland Fire/Technical Rescue	First Responders	FR Workwear
US Firefighter Requirements	NFPA 1971, 1975,	NFPA 1951, 1977	NFPA 1999	NFPA 2112 NFPA 70E (No component test)
Canadian Firefighter Requirements	CGSB 155.1	CGSB 155.1, 155.22	CGSB 155.1	CGSB 155.20
Garments				
Zipper	10MG Nomex 10VFHR Nomex 5RG Nomex 5VSHR Nomex	5MG Nomex 3VSHR Nomex 5VSHR Nomex	5MG Nomex 5VSHR Nomex	10MG Nomex 10VFHR Nomex 5MG Nomex 5VSHR Nomex
Physical Requirements	500°F for 5 Min CID (for zippers)	500°F for 5 Min CID (for zippers)	500°F for 5 Min CID (for zippers)	500°F for 5 Min CID (for zippers)

Flame Exposure

Brass Polyester vs Brass Nomex



***NFPA 70E -2012**

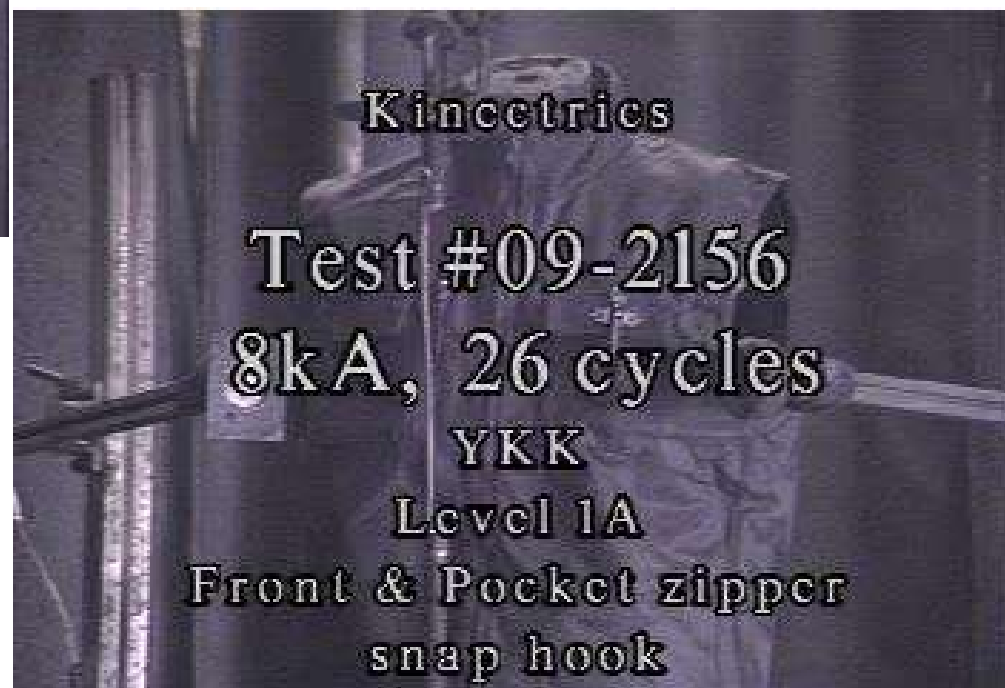
“Clothing consisting of fabrics, zipper tapes, and findings made from flammable synthetic materials that melt at temperatures below 315°C (600°F), such as acetate, acrylic, nylon, polyester, polyethylene, polypropylene, and spandex, either alone or in blends, shall not be used.”

***NFPA 70E -2012**

NO COMPONENT TEST in 70E!

Electrical Arc Testing – 20 cal/cm²

*ASTM F1959



Hazard/Risk Category (HRC)	
0	No Risk
1	Minimal Risk
2	8 cal/cm ²
3	25 cal/cm ²
4	40 cal/cm ²

NO COMPONENT TEST in 70E!

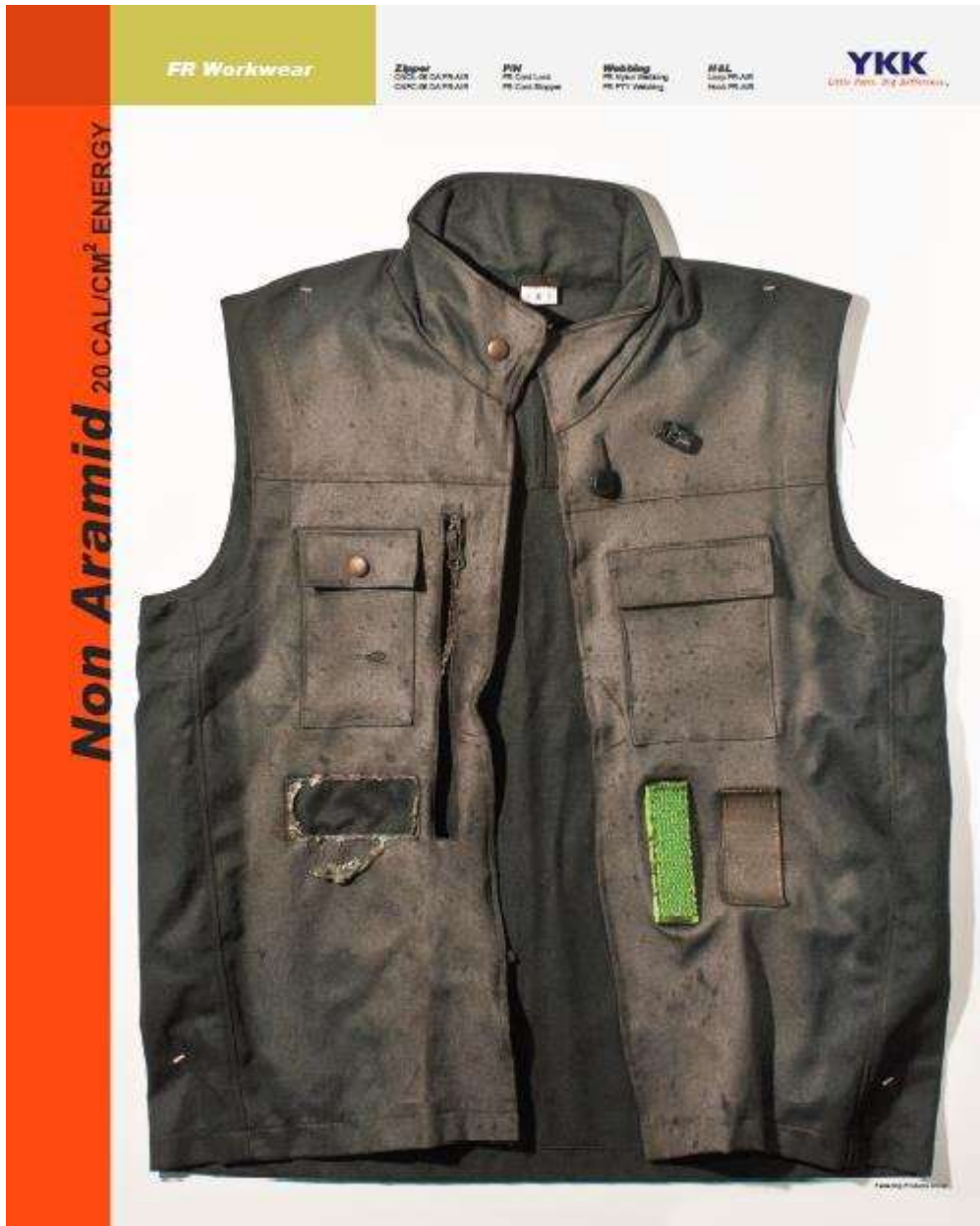
Electrical Arc Testing – 20 cal/cm²

YKK

Little Parts. Big Difference.

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INTERNAL USE ONLY

*ASTM F1959



NO COMPONENT TEST in 70E!