



WILDLAND FIRE CLOTHING

TECHNICAL PARAMETERS SHEET



PSSWF-283

The PSSWF-283 Wildland Fire Clothing set, consisting of a coat and pants, is designed for wildland and WUI operations where mobility, heat-stress reduction, and durability are critical. Tested to NFPA 1977 with an EU variant certified to EN ISO 15384:2020, it features a ripstop aramid shell with anti-static fibers, a flame-resistant finish, and a durable water-repellent (DWR) coating for light rain and hose spray protection. The coat functions as a wildland fire shirt, with stand-up collar, radio pocket, and reinforced elbows, while the pants—built as wildland fire pants—include articulated knees, adjustable closures, and detachable suspenders for long-duration comfort. Integrated 3M™ Scotchlite™ reflective trim ensures visibility in smoke and low light. Lightweight yet heavy-duty, the PSSWF-283 balances safety, breathability, and cost-efficiency, with customization and OEM options available for agency procurement.

Specification	Metric	Imperial
Model	PSSWF-283	PSSWF-283
Intended Use	Wildland fire clothing / wildland firefighting gear	Wildland fire clothing / wildland firefighting gear
Standards	NFPA 1977; EN ISO 15384:2020	NFPA 1977; EN ISO 15384:2020
Outer Shell	Aramid ripstop blend, flame resistant	220–240 g/m <sup>2</sup>
Breathability	≥100 L/m <sup>2</sup> /s (ASTM D737)	≥100 L/m <sup>2</sup> /s
Tear Strength	≥25 N warp / ≥20 N weft	≥5.6 lbf / ≥4.5 lbf
Tensile Strength	≥450 N warp / ≥350 N weft	≥101 lbf / ≥79 lbf
Abrasion	≥20,000 cycles (reinforced panels)	≥20,000 cycles
Flame Spread	After-flame ≤2 s; char length ≤100 mm	After-flame ≤2 s; char ≤4 in.
Radiant Heat	RHT124 ≥12 s (20 kW/m <sup>2</sup> )	≥12 s
Water Repellency	AATCC 22 ≥90	Rating ≥90
Colors	Navy, Orange, Red	—
Weight (set: shirt + pants)	≈2.6 kg	≈5.7 lb
Sizes	XS–4XL; Short/Regular/Tall	XS–4XL; Short/Regular/Tall