



RUBBER FIRE BOOTS

TECHNICAL PARAMETERS SHEET



PSRFB-105

The PSRFB-105 Rubber Fire Boots are NFPA 1971–method–tested, heavy duty structural boots designed for structural fire and industrial response. Built with a flame- and heat-resistant vulcanized shell, a wide-profile steel toe, and Kevlar or steel puncture plate rated  $\geq 2800$  N ( $\geq 630$  lbf), they deliver slip-resistant traction, thermal insulation ( $\leq 22$  °C / 39.6 °F rise at 150 °C / 302 °F, 30 min), and 5 kV dielectric test performance. PSRFB-105 Rubber Fire Boots are offered with customization options (toe caps, midsoles, sizing), OEM/ODM development support, and competitive bulk pricing to help agencies and departments achieve both operational safety and lifecycle cost efficiency.

Specification	Metric	Imperial
Model	PSRFB-105	PSRFB-105
Shell	Vulcanized flame- & heat-resistant rubber boots	Vulcanized flame- & heat-resistant rubber boots
Construction	Vulcanized	Vulcanized
Toe Cap (options)	Steel / Composite / Carbon-fiber (wide-profile)	Steel / Composite / Carbon-fiber (wide-profile)
Midsole (options)	Kevlar® puncture-resistant / Steel plate	Kevlar® puncture-resistant / Steel plate
Puncture Resistance	$\geq 2800$ N	$\geq 630$ lbf
Waterproofing	100% waterproof	100% waterproof
Slip Resistance	COF $\geq 0.35$ ( $\approx 15^\circ$ start-slip angle)	COF $\geq 0.35$ ( $\approx 15^\circ$ start-slip angle)
Flex Resistance	$\geq 20,000$ flex cycles, no cracks	$\geq 20,000$ flex cycles
Thermal Insulation	150 °C $\times$ 30 min; interior rise $\leq 22$ °C	302 °F $\times$ 30 min; rise $\leq 39.6$ °F
Dielectric Test	5,000 V pass*	5,000 V pass*
Oil Resistance	$\leq 10\%$ change (internal test)	$\leq 10\%$ change (internal test)
Toe Abrasion	Rubber T-cap guard	Rubber T-cap guard
Liner	5 mm polyester felt + heel reinforcement	5 mm polyester felt + heel reinforcement
Insole	Removable PU cushion	Removable PU cushion
Weight (pair)	4.8 kg	10.6 lb
Sizes	EU 38–55	US 9–15 (half sizes; widths E/N/W)