

PSSFB-236

TECHNICAL PARAMETERS SHEET



INTRODUCTION

The PSSFB-236 Flame Resistant Boots are purpose-built for firefighting, emergency response, and industrial operations where safety cannot be compromised. Crafted from premium cowhide leather reinforced with flame-retardant canvas, the boots deliver consistent performance under extreme heat, impact, and environmental stress. A fiberglass toe cap rated above 350N shields against falling objects, while the Kevlar midsole provides puncture resistance up to 1500N, ensuring reliable protection in debris-filled terrains. The natural rubber outsole achieves an anti-slip angle greater than 20°, offering stability on wet, oily, or uneven surfaces.

Designed with both protection and practicality in mind, the boots maintain an internal temperature of $\leq 22^{\circ}\text{C}$ after 30 minutes at 150°C , demonstrating superior thermal insulation. They are tested for more than 20,000 flex cycles without cracking or delamination, guaranteeing durability in prolonged heavy-duty use. A quick-access side zipper with protective flap allows firefighters and rescue teams to gear up swiftly, while the reflective heel strip enhances visibility in low-light conditions. Combining durability, comfort, and compliance with international safety standards, the PSSFB-236 is a cost-effective solution for organizations seeking reliable flame resistant footwear for high-risk environments.

Parameter	Details
Upper Material	Cowhide Leather / Fire Retardant Canvas
Interior Material	Waterproof Lining + Flame Resistant Cotton
Outsole Material	Natural Rubber
Midsole Material	Kevlar
Toe Cap	Fiberglass
Impact Resistance	$\geq 350\text{N}$
Puncture Resistance	$\geq 1500\text{N}$
Slip Resistance	Initial slip angle $\geq 20^{\circ}$
Flex Durability	No cracks or delamination after 20,000 flex cycles
Thermal Insulation	$\leq 22^{\circ}\text{C}$ internal temperature after 30 minutes in a 150°C environment
Weight	1.35 kg(2.98 lb)
Size Range	38-46