FIREFIGHTING SUITS

SCA CF20

PBI Special Firefighting Suit KFAC · PBI MAX · PTFE moisture barrier

MODEL · SCA CF20



OVERVIEW

PBI MAX special protective suit with drag rescue device and built-in rescue belt.

A personal special protective suit completed with feedback from firefighters, combining outstanding heat resistance and thermal protection with mobility, wearability and utility. The PBI MAX outer shell offers among the highest thermal protection of any firefighting fabric. The suit is KFAC certified and integrates a drag rescue device and a built-in lower-body rescue harness for firefighter rescue.

PBI MAX	KFAC	DRD
outer shell fabric	certified	drag rescue device

FUNCTIONS / FEATURES

12 FEATURES

01

Special Multi-Layer Fabric

Outer shell PBI 35% + aramid 62% + nylon 3%; middle layer 100% aramid with PTFE film; lining 100% aramid.

02

PBI MAX Fabric

One of the highest levels of thermal protection among fire-suit fabrics, with lower heat transfer than PBO/aramid to minimise heat stress. Retains strength under UV and fluorescent-light exposure, and offers better tensile strength and comfort than conventional PBI.

03

Drag Rescue Device (DRD)

Support structure around the shoulders and underarms enables safe, efficient movement of a downed firefighter. Tested by KOTITI.

04

Built-in Lower-Body Rescue Belt

Integrated lower-body harness with ergonomic load distribution supports rapid escape and rescue in emergencies.

05

Equipment Mounts

Radio holder fits any radio regardless of antenna direction; lantern mount widened from 30 to 50 mm with double clip-and-band fixing; additional D-rings for O-rings or carabiners; MOLLE system.

06

Raglan Sleeves & Articulated Cut

Raglan construction and articulated cuts optimise movement in the shoulder, chest and sleeve areas.

07

Cut-type Cuffs

Thumb-hole-free cut cuffs prevent gap burns at the wrist and feel natural on the hand.

08

Round 3D Neckline

Rounded three-dimensional collar pattern improves comfort around the neck.

09

Reinforced Knee Pads

More durable knee pads in FKM (fluoroelastomer) rubber, inserted through a zip-fastener pocket for easy replacement.

10

Extended Jacket Length

Longer jacket hem prevents riding up when the SCBA is worn, keeping the body covered.

11

SCBA Compatibility

Designed around breathing apparatus — no interference between the lantern and chest strap, or between the waist belt and pockets.

12

H-type Suspenders

Stay in place, are easy to put on and take off, and reduce shoulder load during long operations.

Specifications are subject to change without prior notice for product improvement. Values are typical and based on manufacturer and certification test data. · Rev. 2026-10

SCA CF20 PBI Special Firefighting Suit

SPECIFICATION

SCA CF20

GENERAL

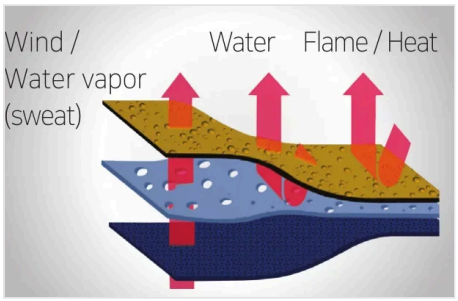
Components	Turnout gear (jacket, trousers)
Application	Protection of firefighters' bodies during fire suppression and rescue
Certification	KFAC certified
Weight	≤ **5.5** kg (jacket + trousers, size **9**)

MATERIAL CONSTRUCTION

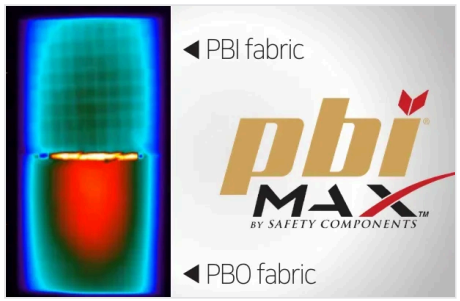
Outer shell	PBI **35**% + aramid **62**% + nylon **3**% (PBI MAX)
Moisture barrier	**100**% aramid / PTFE film
Lining	**100**% aramid
Thermal barrier	**100**% aramid felt
Reflective tape	**100**% aramid, high-visibility, ≥ **75** mm wide

PRODUCT DETAILS

06 VIEWS



01 Special Multi-Layer Fabric



02 PBI MAX Fabric



03 Drag Rescue Device (DRD)



04 Built-in Lower-Body Rescue Belt



05 Equipment Mounts



06 Raglan Sleeves & Articulated Cut

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