



# MARLUVAS

PROFESSIONAL EQUIPMENT

## Composite Line

### 70B22 CPAP

Safety boot with composite toe cap, padded collars, made of microfiber, lace closure, internal lining, metatarsal protection and dual density sole.



### Especificação Técnica

- Composite toe cap
- MMicro microfiber uppers
- Padded collars
- Internal lining
- Antiperforation assembly insole
- Antibacterial hygienic insole
- PU dual density sole

**Sole:** Made of two layers of polyurethane, directly injected in the upper; softer and lighter midsole (first layer) - density 0,4g/cm<sup>3</sup>, providing more comfort; and more compact sole (second layer) – density 1,0 g/cm<sup>3</sup>, abrasion resistant with antislip system made up of special grooves, 3mm height and 6mm width and slip resistance on ceramic steel floor (SRC level).



**Uppers:** Mmicro microfiber 17-19 lines thick

**Trinforcement:** Termoplastic 1,5mm thick

**Standard:** NBR ISO 20345:2015  
NBR 16603/2017

**Tread:** Nylon nº 30.

**Sizes:** From 33 to 47.

**Warranty:** 36 months

**Color:** Black

**Approval Certificate:** 34271

**Note.:** Class I insulating footwear has the purpose of insulation in low voltage electrical installations up to 500 V in dry conditions. The test voltage which is 14,000 V or 14 KV is the voltage under which the footwear is subjected to verification of its properties (the leakage current is verified).

**Hygienic Insole:** Anatomically conform in EVA antifugal/antibacterial, made up of micro-stitches providing sweat absorption and desorption.

**Assembly insole:** Non-metallic perforation resistant up to 1100N, made in multiple layers in fiber 100% polyester. Protecting all the plantar surface of the feet.

### Technologies



Air confort woven made of polyester fibers that ensure greater softness, lightness and convenience to users.



Composite TOE Comfortable, lightweight and impact-resistant composite non-metallic toe cap. withstanding 200J impact and compression up to 1500 N according to NBR ISO 20345/2015.



M MICRO High performance microfiber. Its texture is very similar to leather but it is washable, lighter and chemical resistant.



PAP Puncture-resistant, lightweight, non-metallic aramid fiber insole that covers 100% of the sole. Resistant to minimum drilling of 1100N according to NBR ISO 20344: 2015.

**Upper and strap Lining:** Non-woven in short fibers with a minimum 1,9 thickness.

**Toe cap:** ultra-resilient polymer, withstanding 200J impact and compression up to 1500Kg (N) and 51% lighter than steel toe caps. It also has antimagnetic and anti-corrosive properties besides being undetectable by metal detectors.

**Single shoe weight:** 0,470kg

**Height leg:** 126mm

Obs.: height leg is based on size 40 and it may vary 3,33 mm per size.

### Product Package

- Sizes: L 565mm x W 300mm x H 245mm (collective box for up to 5 pairs)

- Sizes: L 414mm x W 315mm x H 505mm (collective box for up to 10 pairs)

### Segmentos



Construction



Mechanical



Eletrical

Note: warranty begins from the date of production of the shoe