PRODUCT SHEET

BAYONET O2 HI CI HRO FO SR

Prod. Ref.	10000-N09
Safety cat.	O2 HI CI HRO FO SR
Range of sizes	36 - 48 (3 - 13)
Weight (sz. 9)	535 g
Shape	B
Width	11

Description: Black water repellent full grain leather ankle boot, **TEXELLE** 100% polyamide fabric lining, antistatic, anti-shock, slipping resistant

Plus: 100% METAL FREE. FOOT-PAD footbed, extremely soft and comfortable footbed. Thanks to the very low density polyurethane, the footbed is self-molding granting a right distribution of the body weight and providing an immediate feeling of comfort. High shock absorption is provided from highly resilient material and a perfect cushion in the central area of the heel. Arch support made of polycarbonate and fibreglass conveniently placed between heel and sole, which provides support and protection of the plantar arch, thus preventing harmful bendings. Outsole resistant to +300°C (1 minute contact)

Suggested uses: footwear for military, footwear for uniforms

Care and maintenance: Clean after each use and dry off away from direct heat. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water

MATERIALS / ACCESSORIES

Complete shoe	**Antistatic shoe:** the bottom is fit for the dissipation of electrostatic charges	
	Heat insulation	
	Cold insulation	
	Energy absorption system	
Upper	Black water repellent full grain leather	
	thickness 1,8/2,0 mm	
Vamp	Textile, breathable, abrasion resistant, colour black	
lining	Thickness 1,2 mm	
Quarter	**TEXELLE** 100% polyamide, breathable, abrasion resistant, colour black	
lining	thickness 1,2 mm	
Insole	Antistatic, absorbent, abrasion and flaking resistant	
Sole	Polyurethane/Nitrile rubber, antistatic, directly injected in the upper:	
	Outsole: black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant and heat resistant.	
	Midsole: black polyurethane low density, comfortable and anti-shock	
	Adherence coefficient of the sole (Slip resistance)	

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20347:2022	Description	Unit	Cofra result	Requirement
6.2.2.2	Electric resistance			
	- wet	MΩ	**131**	≥ 0.1
	- dry	MΩ	**222**	≤ 1000
6.2.3.1	Heat insulation (temp. increase after 30' at 150 °C)	°C	**17,5**	≤ 22
6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	**6**	≤ 10
6.2.4	Shock absorption	J	**37**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 6,4**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 56,7**	≥ 15
6.3	Water absorption		**13%**	≤ 30%
	Water penetration		**0,0 g**	≤ 0,2 g
5.5.4	Water vapour permeability	mg/cmq h	**> 84,7**	≥ 2
	Permeability coefficient	mg/cmq	**> 677,4**	≥ 20
5.5.4	Water vapour permeability	mg/cmq h	**> 2,4**	≥ 2
	Permeability coefficient	mg/cmq	**> 19,9**	≥ 20
5.7.4.1	Abrasion resistance	cycle	**> 400**	≥ 400
5.8.4	Abrasion resistance (lost volume)	mm^3	**40**	≤ 150
5.8.5	Flexing resistance (cut increase)	mm	**0,9**	≤ 4
5.8.7	Interlayer bond strength	N/m	**4,3**	≥ 3
6.4.4	Hot resistance (300 °C)	-----	**any melting**	any melting
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	**6,2**	≤ 12
5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		**0,41**	≥ 0,36
	ceramic + detergent solution – heel (contact angle 7°)		**0,45**	≥ 0,31
6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		**0,30**	≥ 0,22
	SR : ceramic + glycerol – heel (contact angle 7°)		**0,29**	≥ 0,19

Made by Technical Dept.