

exena.

SHIELD S3L FO SC SR ESD



DESCRIPTION	NORM EN ISO 20345:2022 + A1:2024	RESULT	REQUIREMENT
UPPER: Smooth, water-repellent leather	5.4.3 Tear strength 5.4.6 Water vapor permeability Coefficient	241 N 2,6 mg/cm ² h 21,2 mg/cm ²	≥120 N ≥ 0,8 mg/cm ² h ≥ 15,0 mg/cm ²
VAMP LINING: Breathable, abrasion resistance.	5.5.2 Tear strength 5.5.3 Abrasion resistance (Wet) Abrasion resistance (Dry) 5.5.4 Water vapor permeability Coefficient	42 N No holes No holes 139,2 mg/cm ² h 1113,9 mg/cm ²	≥ 15 N 25.600 cycles 51.200 cycles ≥ 2,0 mg/cm ² ≥20,0 mg/cm ²
QUARTER LINING: Breathable, abrasion resistance mesh	5.5.2 Tear strength 5.5.3 Abrasion resistance (Wet) Abrasion resistance (Dry) 5.5.4 Water vapor permeability Coefficient	32 N No holes No holes 126,4 mg/cm ² h 1011,6 mg/cm ²	≥ 15 N 25.600 cycles 51.200 cycles ≥ 2,0 mg/cm ² ≥20,0 mg/cm ²
COUNTER LINING:	5.5.2 Tear strength 5.5.3 Abrasion resistance (Wet) Abrasion resistance (Dry) 5.5.4 Water vapor permeability Coefficient	32 N No holes No holes 15,2 mg/cm ² h 122,6 mg/cm ²	≥ 15 N 25.600 cycles 51.200 cycles ≥ 2,0 mg/(cm ² h) ≥20,0 mg/cm ²
SAFETY TOE CAP: Fiberglass 200J	5.3.2.6 Impact resistance 5.3.2.7 Compression resistance	16,0 mm 16,0 mm	≥ 14 mm ≥ 14 mm

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PIERCE-RESISTANCE: Class PL anti-perforation fabric	6.2.1.1.3 Resistance to perforation	PASS	Min.1100 N
FOOTBED: Removable, cushioned, antistatic insole.	5.7.4.2 Abrasion resistance (dry)	NO HOLES	25.600 cycles
	Abrasion resistance (wet)	NO HOLES	12.800 cycles
OUTSOLE: 3 density polyurethane with Etpu insert	5.8.3 Tear strength	8,4 kN/m	≥ 8 kN/m
	5.8.4 Abrasion resistance	77 mm ³	≤ 150 mm ³
	5.8.5 Flexing resistance	2,1 mm	≤ 4,0 mm
	5.8.6 Hydrolysis	2,5 mm	≤ 6,0 mm
	6.4.2 Oils resistance	1,3 %	≤ 12%
	6.2.10 Slip resistance on ceramic with glycerin (tilted towards the heel of 7°)	0,22	≥ 0,19
	(tilted towards the tip of 7°)	0,25	≥ 0,22
	5.3.5.2 Slip resistance on ceramic with cleaning agent (tilted towards the heel of 7°)	0,34	≥ 0,31
	(tilted towards the tip of 7°)	0,39	≥ 0,36
	6.2.2.2 Antistatic	dry: 51,8 MΩ wet: 5,87 MΩ	0,1 ÷ 1000 MΩ 0,1 ÷ 1000 MΩ

SIZES: 35 – 48

WEIGHT:

35	36	37	38	39	40	41	42	43	44	45	46	47	48
826	866	906	946	986	1026	1066	1106	1146	1186	1226	1266	1306	1346

Size	EAN code
35	9091000843354
36	9091000843361
37	9091000843378
38	9091000843385
39	9091000843392
40	9091000843408
41	9091000843415
42	9091000843422
43	9091000843439
44	9091000843446
45	9091000843453
46	9091000843460
47	9091000843477
48	9091000843484

CLIENTE *CUSTOMER*

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Descrizione campione	Calzatura di sicurezza art. BLAZER – ESD
<i>Sample description</i>	Safety footwear art. BLAZER – ESD



Data di emissione

Date of issue

21/05/2026

Responsabile Laboratorio Tecnologico

Technological Laboratory Manager

Andrea Boggio Marzet



1. Oggetto della valutazione *Object of evaluation:*

Safety footwear art. BLAZER – ESD

2. Requisiti specifici *Specific requirements:*

- (¹) EN 61340-5-1:2024 Elettrostatica - Parte 5-1: Protezione di dispositivi elettronici dai fenomeni elettrostatici - Prescrizioni generali
Electrostatics - Part 5-1: Protection of electronic devices from electrostatic phenomena - General requirements
- (²) EN IEC 61340-4-5:2018 Elettrostatica - Parte 4-5: Metodi di prova normalizzati per applicazioni Metodi per caratterizzare la protezione elettrostatica della combinazione di pavimentazioni e di calzature indossate da un operatore
Electrostatics - Part 4-5: Standard test methods for specific applications - Methods for characterizing the electrostatic protection of footwear and flooring in combination with a person
- (³) EN IEC 61340-4-3:2018 Elettrostatica - Parte 4-3: Metodo di prova normalizzato per applicazioni specifiche - Calzature
Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear

3. Lista di riscontro *Checklist:*

Requisito normativo <i>Standard requirement</i>		Prova <i>Test</i>		Rapporto di prova <i>Test report</i>	Eseguito <i>Performed</i>
5.3.3 (¹)	Messa a terra del personale <i>Personnel grounding</i>	6.3 (²)	Resistenza elettrica verso terra <i>Resistance to ground</i>	26-1092.7	☒
		6.4 (²)	Capacità di carica <i>Chargeability</i>	26-408.6	☒
		7 (³)	Resistenza elettrica <i>Electrical resistance</i>	26-408.6	☒

4. Note *Notes:* ---

TERMINI E CONDIZIONI TERMS AND CONDITIONS

Il contenuto del presente riesame (rif. 7.1 ISO/IEC 17000:2020) si riferisce unicamente al campione presentato e alle prove riportate nel rapporto di prova di cui sopra. Questo riesame non ha validità di approvazione, certificazione, supervisione, controllo, e/o sorveglianza verso questo o qualsiasi prodotto in relazione ad esso.

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