

exena.

SPIDER S1 PS FO SR ESD



DESCRIPTION	NORM EN ISO 20345:2022 + A1:2024	RESULT	REQUIREMENT
UPPER: Breathable fabric	5.4.3 Tear strength 5.4.6 WVP	89,3 N 57.98 mg/cm ² h	≥60 N ≥ 2.0 mg/cm ² h
VAMP LINING: Breathable synthetic fabric, resistant to abrasion	5.5.2 Tear strength 5.5.3 Abrasion resistance (Wet) Abrasion resistance (Dry) 5.5.4 Water vapor permeability Coefficient	65.8 N No holes No holes 43,92 mg/cm ² h 352 mg/cm ²	≥ 15 N 25.600 cycles 51.200 cycles ≥ 2,0 mg/cm ² ≥20,0 mg/cm ²
QUARTER LINING: Breathable synthetic fabric, resistant to abrasion	5.5.2 Tear strength 5.5.3 Abrasion resistance (Wet) Abrasion resistance (Dry) 5.5.4 Water vapor permeability Coefficient	65.8 N No holes No holes 43,92 mg/cm ² h 352 mg/cm ²	≥ 15 N 25.600 cycles 51.200 cycles ≥ 2,0 mg/cm ² ≥20,0 mg/cm ²
COUNTER LINING: Grey microfiber	5.5.2 Tear strength 5.5.3 Abrasion resistance (Wet) Abrasion resistance (Dry)	21,6 N No holes No holes	≥ 15 N 25.600 cycles 51.200 cycles
SAFETY TOE CAP: Non metallic, non-magnetic, 200 J	5.3.2.6 Impact resistance 5.3.2.7 Compression resistance	19 mm 25 mm	≥ 14 mm ≥ 14 mm

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PIERCE-RESISTANCE: Textile pierce proof footbed,	6.2.1.14 Resistance to perforation	1624 N	Min.1100 N
FOOTBED: Removable, cushioned, antistatic insole.	5.7.4.2 Abrasion resistance(Wet) Abrasion resistance(Dry)	No holes No holes	12.800 cycles 25.600 cycles
OUTSOLE: PU 2D, Antislip SR	5.8.3 Tear strength	10.8 kN/m	≥ 8 kN/m
	5.8.4 Abrasion resistance	47.1 mm ³	≤ 150 mm ³
	5.8.5 Flexing resistance	0.2 mm	≤ 4,0 mm
	5.8.6 Hydrolysis	0.3 mm	≤ 6,0 mm
	6.2.2.2 Antistatic	dry: 49,2 x10 ⁷ Ω wet: 8,1 x10 ⁷ Ω	pass pass
	6.4.2 Oils resistance	1,1 %	≤ 12%
	5.3.5.2 Slip resistance sodium lauryl sulphate		
	Forward heel slip	0,32	≥ 0,31
	Backward forepart slip	0,37	≥ 0,36
	6.2.10 Glycerine		
	Forward heel slip	0,22	≥ 0,19
	Backward forepart slip	0,26	≥ 0,22

SIZES: 36-48

WEIGHT:

36	37	38	39	40	41	42	43	44	45	46	47	48
940	984	1028	1072	1116	1160	1204	1248	1292	1336	1380	1424	1468

Size	EAN code
35	-
36	9001000143361
37	9001000143378
38	9001000143385
39	9001000143392
40	9001000143408
41	9001000143415
42	9001000143422
43	9001000143439
44	9001000143446
45	9001000143453
46	9001000143460
47	9001000143477
48	9001000143484

Test Report

SL72507355342301FW

Date: November 20, 2025 Page 1 of 5

HAINA SECURITY TECHNOLOGY (ZHEJIANG) CO., LTD
NO. 138, XINBIN ROAD, BINHAI NEW AREA, PINGYANG COUNTY, WENZHOU CITY, ZHEJIANG
PROVINCE, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : three pairs of shoes in black

Group Reference : /
Model(s) Description : /
Attn : /
Buyer : /
Styles : HNPU006-SPIDER
Brand : /
Size Range : 36-42-48
Assemble Construction : Injection
Toe Cap : Composite toe
Insert Plate : FAP Polyester Puncture resistance (Kevlar)
Sole : PU/PU outsole
Upper : Black Mesh with KPU
Vamp Lining : M-04 Black Polyester Mesh
Quarter Lining : M-04 Black Polyester Mesh
Counter Lining/ Heel Area Lining : Grey microfiber
Tongue : Black polyester sandwich mesh
Tongue Lining : M-04 Black Polyester Mesh
Collar : Black Mesh
Collar Lining : M-04 Black Polyester Mesh
Shoe Lace : Black polyester lace
Sewing Thread : black Polyester thread
Insole : FAP Polyester Puncture resistance (Kevlar)
Insole Covering : /
Insock : Black Polyester Mesh+ EVA
Protection Category : /
Retest : No
Previous Report No. : /
Additional Information : /
Judgment Accordance : EN IEC 61340-5-1:2024
Test Performance/
Standard : See test results page

Sample Receiving Date : Oct 31, 2025

Testing Period : Oct 31, 2025 - Nov 20, 2025

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).



SGS-CSI Standards Technical Services Co., Ltd.
Ningbo Branch

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Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Connie Zheng

Connie Zheng (Account Executive)



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Conclusion	A size#36	A size#42	A size#48	Remark
Electrostatics (Footwear)	PASS	PASS	PASS	



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Test Result

EN IEC 61340-4-3:2018

Electrostatics (Footwear)
(EN IEC 61340-4-3:2018)

Test Parameters:

Parameters	Peconditioning	Conditioning	Measurement
Period (h)	72 ⁺¹⁰	72 ⁺¹⁰	
Temperature (°C)	(40±3)	(23±2)	(23±2)
Relative Humidity (%)	< 15	(12±3)	(12±3)
Test Voltage (V)	10 / 100 (start with the voltage set at 10 v, if the resistance exceeds 10 ⁶ Ω then switch to 100 V)		

Sample: (A)

Size	Results (Ω)
#36 Left	3.5×10 ⁷
Right	3.6×10 ⁷

Sample: (A)

Size	Results (Ω)
#42 Left	3.7×10 ⁷
Right	3.9×10 ⁷

Sample: (A)

Size	Results (Ω)
#48 Left	1.8×10 ⁷
Right	2.1×10 ⁷

	Electrical Resistance (Ω)	Requirement	Pass/Fail
Max.	3.9×10 ⁷	*	Pass
Min.	1.8×10 ⁷		
Average.	3.1×10 ⁷		

Remark: * = ≤1×10⁸ Ω



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Sample Photo



Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

End of Report

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