



Light

AAK S1P LOW S1 PS

AAKS1PLOW

Composite Toe Safety Shoes

Lightweight, metal-free safety shoe with EH protection, slip-resistant outsole, breathable upper, and wide fit for comfort in dry work environments.

Upper	Synthetic, Textile
Lining	Recycled Mesh
Footbed	SJ Memory foam footbed
Midsole	Anti-puncture Textile
Outsole	Phylon/Rubber (NBR)
Toecap	Composite
Category	S1 PS / SR, ESD, ESD, FO, HRO
Size range	EU 35-48 / UK 3.0-13.0 / US 3.0-13.5 JPN 21.5-31.5 / KOR 230-315
Sample weight	0.510 kg
Norms	ASTM F2413:2018 EN ISO 20345:2022



GRN



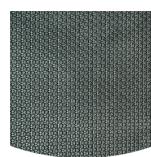
Removable insole

Renew your insole at a regular base or use your own orthopedic insoles for a higher comfort.



Slip resistance (SR)

Replaces the previously used term of SRA+SRB=SRC. SR means the slip test has been executed on tiles contaminated with soap and with oil.



Rubber outsole

Rubber outsoles provide versatile functions that make them suitable for many areas of application: excellent cut resistance, heat and cold resistance, high flexibility at cold temperatures, resistance against oil, fuel and many chemicals.



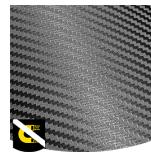
Puncture resistant lightweight

Metal free, super flexible and ultralight puncture resistant midsole. Covers 100% of the bottom area of the last, no thermal conductivity.



Composite toecap

Metalfree and lightweight, no thermal or electrical conductivity



Metal free

Metal free safety shoes are in general lighter than regular safety shoes. They are also very beneficial for professionals who have to pass through metal detectors several times a day.

Industries:

Assembly, Automotive, Industry, Logistics

Environments:

Dry environment, Uneven surfaces

Maintenance instructions:

To extend the life of your shoes, we recommend to clean them regularly and to protect them with adequate products. Do not dry your shoes on a radiator, nor nearby a heat source.

Description		Measure unit	Result	EN ISO 20345
Upper	Synthetic, Textile			
	Upper: permeability to water vapor	mg/cm ² /h	1.2	≤ 0.8
Lining	Upper: water vapor coefficient	mg/cm ²	21	≥ 15
	Recycled Mesh			
Footbed	Lining: permeability to water vapor	mg/cm ² /h	34.59	≥ 2
	Lining: water vapor coefficient	mg/cm ²	277	≥ 20
Footbed	SJ Memory foam footbed			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	Dry 25600 cycles/Wet 12800 cycles	25600/12800
Outsole	Phylon/Rubber (NBR)			
	Outsole abrasion resistance (volume loss)	mm ³	119.4	≤ 150
	Basic Slip resistance - Ceramic + Nals - Forward heel slip	friction	0.43	≥ 0.31
	Basic Slip resistance - Ceramic + Nals - Backward forepart slip	friction	0.44	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.36	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.33	≥ 0.22
	Antistatic value	MegaOhm	650	0.1 - 1000
	ESD value	MegaOhm	21.9	0.1 - 100
	Heel energy absorption	J	25	≥ 20
Toecap	Composite			
	Impact resistance toecap (clearance after impact 100J)	mm	NA	N/A
	Compression resistance toecap (clearance after compression 10kN)	mm	NA	N/A
	Impact resistance toecap (clearance after impact 200J)	mm	16.0	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	22.0	≥ 14

Sample size: 42

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