

# **MODULO S3S LOW**

MODULOS3L

Super comfortable metal-free vegan safety sneaker

Upper	Microfiber
Lining	Mesh
Footbed	SJ foam footbed
Midsole	Anti-puncture Textile
Outsole	BASF PU/BASF PU
Тоесар	Nano Carbon
Category	S3S / SR, SC, ESD, FO
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	0.520 kg
Norms	ASTM F2413:2018 EN ISO 20345:2022











IS 15298 (Part 2): 2016



















## **Heel energy absorption**

Heel energy absorption reduces the impact of jumps or running on the body of the wearer.



#### 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.



#### **Puncture resistant lightweight**

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



## Scuff Cap (SC)

Separately tested material to cover the toe cap area to reduce abrasion of the upper material (e.g. during kneeling operations) and extend usability of the safety shoe.



## Electrostatic Discharge (ESD)

ESD provides the controlled discharge of electrostatic energy that can damage electronic components and avoids risks of ignition resulting from electrostatic charges. Volume resistance between 100 KiloOhm and 100 MegaOhm.



#### **Industries:**

Assembly, Automotive, Industry, Cleaning, Catering, Logistics

## **Environments:**

Dry environment, Extreme slippery surfaces, Wet environment

# **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	Microfiber			
	Upper: permeability to water vapor	mg/cm²/h	8.20	≥ 0.8
	Upper: water vapor coefficient	mg/cm²	68	≥ 15
Lining	Mesh			
	Lining: permeability to water vapor	mg/cm²/h	60.62	≥ 2
	Lining: water vapor coefficient	mg/cm²	485	≥ 20
Footbed	SJ foam footbed			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	Dry 25600 cycles/Wet 12800 cycles	25600/12800
Outsole	BASF PU/BASF PU			
	Outsole abrasion resistance (volume loss)	mm³	127mm³ (Density:1.09g/ cm³)	≤ 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.33	≥ 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.42	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.22	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.25	≥ 0.22
	Antistatic value	MegaOhm	31.5	0.1 - 1000
	ESD value	MegaOhm	21	0.1 - 100
	Heel energy absorption	J	31	≥ 20
Toecap	Nano Carbon			
	Impact resistance toecap (clearance after impact 100J)	mm	N/A	N/A
	Compression resistance toecap (clearance after compression 10kN)	mm	N/A	N/A
	Impact resistance toecap (clearance after impact 200J)	mm	15.5	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	21.0	≥ 14

Sample size: 42

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