



Light

## FLOW S1P SANDAL TLS

FLAWS1PSTL

### Innovative metal-free sandal with TLS closing system

Let the air flow with the FLOW sandal! This safety sandal has a perforated, highly breathable upper, making it the perfect fit for warm and dry environments. FLOW is completely metal free, made of a lightweight composite toe cap and textile midsole to prevent toe crushing and perforation. It has a slip-resistant outsole, fulfills ESD requirements a

Upper	Synthetic Nubuck
Lining	3D-Mesh
Footbed	SJ foam footbed
Midsole	Anti-puncture Textile
Outsole	PU/PU
Toecap	Composite
Category	S1 P / ESD, SRC
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	0.610 kg
Norms	ASTM F2413:2018 EN ISO 20345:2011



BLK



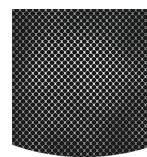
#### 3D mesh

Three-dimensional produced distance mesh to provide increased moisture and temperature management.



#### Antistatic

Antistatic footwear prevents build-up of static electrical charges and ensures that they are discharged effectively. Volume resistance between 100 KiloOhm and 1 GigaOhm



#### Breathable, perforated upper

Increased moisture and temperature management for extended wearer comfort in dry working environments.



#### Composite toecap

Metalfree and lightweight, no thermal or electrical conductivity



#### 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.



#### Heel energy absorption

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

**Industries:**

Assembly, Automotive, Catering, Logistics

**Environments:**

Dry environment, Extreme slippery 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
<b>Upper</b>	<b>Synthetic Nubuck</b>			
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	2.2	≥ 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	28	≥ 15
<b>Lining</b>	<b>3D-Mesh</b>			
	Lining: permeability to water vapor	mg/cm <sup>2</sup> /h	61	≥ 2
	Lining: water vapor coefficient	mg/cm <sup>2</sup>	490	≥ 20
<b>Footbed</b>	<b>SJ foam footbed</b>			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
<b>Outsole</b>	<b>PU/PU</b>			
	Outsole abrasion resistance (volume loss)	mm <sup>3</sup>	84	≤ 150
	Outsole slip resistance SRA: heel	friction	0.36	≥ 0.28
	Outsole slip resistance SRA: flat	friction	0.37	≥ 0.32
	Outsole slip resistance SRB: heel	friction	0.14	≥ 0.13
	Outsole slip resistance SRB: flat	friction	0.19	≥ 0.18
	Antistatic value	MegaOhm	N/A	0.1 - 1000
	ESD value	MegaOhm	39	0.1 - 100
	Heel energy absorption	J	27	≥ 20
<b>Toecap</b>	<b>Composite</b>			
	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	15.0	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	19.0	≥ 14

Sample size: 42

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