

# **OXYSAFE PB**

#### The lightest safety shoe on the market

The OXYSAFE shoes are lightweight, hygienic, and designed for maximum comfort. With advanced ESD protection, a composite toecap, and easy sterilization, these shoes are perfect for both wet and dry environments.

Upper	Expanded EVA
Lining	N/A
Footbed	SJ foam footbed
Midsole	N/A
Outsole	Expanded EVA
Тоесар	Composite
Category	PB / SR, ESD, A, E
Size range	EU 35/36-45/46 / UK 3.0/3.5-10.5/11.0 / US 5.5/6.0-11.5/12.0 JPN 21.5/22.5-29/30 / KOR 230/235-295/300
Sample weight	0.281 kg
Norms	ASTM F2413:2018 EN ISO 20346:2022

























#### Composite toecap

Metalfree and lightweight, no thermal or electrical conductivity



## Hygienic waterproof solution

This shoe is made with materials that are waterproof, antibacterial and extremely light & flexible. This makes it a safe, hygienic and comfortable solution for applications in wet environments, such as cleaning or escorting patients into the shower.



#### 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.



#### Washable 30°C

These shoes can be washed in a washing machine at 30°C.



## Chemically & UV sterilizeable

This shoe is chemically and UV sterilizeable.



#### **Industries:**

Catering, Chemical, Construction, Medical

#### **Environments:**

Dry environment, 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 20346
Upper	Expanded EVA			
	Upper: permeability to water vapor	mg/cm²/h	N/A	≥ 0.8
	Upper: water vapor coefficient	mg/cm²	N/A	≥ 15
Lining	N/A			
	Lining: permeability to water vapor	mg/cm²/h	N/A	≥ 2
	Lining: water vapor coefficient	mg/cm²	N/A	≥ 20
Footbed	SJ foam footbed			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
Outsole	Expanded EVA			
	Outsole abrasion resistance (volume loss)	mm³	232.4(Density: 0.29)	≤ 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.39	≥ 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.38	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.22	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.23	≥ 0.22
	Antistatic value	MegaOhm	N/A	0.1 - 1000
	ESD value	MegaOhm	43	0.1 - 100
	Heel energy absorption	J	34.0	≥ 20
Тоесар	Composite			
	Impact resistance toecap (clearance after impact 100J)	mm	16.5	≥ 13
	Compression resistance toecap (clearance after compression 10kN)	mm	20.5	≥ 13
	Impact resistance toecap (clearance after impact 200J)	mm	N/A	N/A
	Compression resistance toecap (clearance after compression 15kN)	mm	N/A	N/A

Sample size: 38

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