

exena.

EMERALD S2 FO SR



DESCRIPTION	NORM EN ISO 20345:2022 + A1:2024	RESULT	REQUIREMENT
UPPER: Breathable Microfiber	5.4.3 Tear strength 5.4.6 Water vapor permeability Coefficient	160 N 1,2 mg/cm ² h 16,8mg/cm ²	≥60 N ≥ 0,8 mg/cm ² h ≥ 15,0 mg/cm ²
VAMP LINING: Breathable, abrasion resistance.	5.5.2 Tear strength 5.5.3 Abrasion resistance (Wet) Abrasion resistance (Dry) 5.5.4 Water vapor permeability Coefficient	51 N No holes No holes 2,6 mg/cm ² h 22,3 mg/cm ²	≥ 15 N 25.600 cycles 51.200 cycles ≥ 2,0 mg/cm ² ≥20,0 mg/cm ²
QUARTER LINING: Breathable, abrasion resistance mesh	5.5.2 Tear strength 5.5.3 Abrasion resistance (Wet) Abrasion resistance (Dry) 5.5.4 Water vapor permeability Coefficient	35 N No holes No holes 80,6 mg/cm ² h 645,2 mg/cm ²	≥ 15 N 25.600 cycles 51.200 cycles ≥ 2,0 mg/cm ² ≥20,0 mg/cm ²
COUNTER LINING:	5.5.2 Tear strength 5.5.3 Abrasion resistance (Wet) Abrasion resistance (Dry) 5.5.4 Water vapor permeability Coefficient	33 N No holes No holes 15,2 mg/cm ² h 122,6 mg/cm ²	≥ 15 N 25.600 cycles 51.200 cycles ≥ 2,0 mg/(cm ² h) ≥20,0 mg/cm ²
SAFETY TOE CAP: Non-metallic, non-magnetic, 200 J	5.3.2.6 Impact resistance 5.3.2.7 Compression resistance	17,0 mm 20,7 mm	≥ 14 mm ≥ 14 mm

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FOOTBED: Removable,
cushioned, antistatic insole.

5.7.4.2 Abrasion resistance (dry)

NO HOLES

25.600 cycles

Abrasion resistance (wet)

NO HOLES

12.800 cycles

OUTSOLE : Dual-density
polyurethane

5.8.3 Tear strength

9 kN/m

≥ 8 kN/m

5.8.4 Abrasion resistance

36 mm³

≤ 150 mm³

5.8.5 Flexing resistance

0,3 mm

≤ 4,0 mm

5.8.6 Hydrolysis

0,1 mm

≤ 6,0 mm

6.4.2 Oils resistance

2 %

≤ 12%

6.2.10 Slip resistance on ceramic with
glycerin

0,32

≥ 0,19

(tilted towards the heel of 7°)

0,30

≥ 0,22

(tilted towards the tip of 7°)

5.3.5.2 Slip resistance on ceramic with
cleaning agent

0,37

≥ 0,31

(tilted towards the heel of 7°)

0,39

≥ 0,36

(tilted towards the tip of 7°)

6.2.2.2 Antistatic

dry: 32 MΩ

0,1 ÷ 1000 MΩ

wet: 5 MΩ

0,1 ÷ 1000 MΩ

SIZES: 34-48

WEIGHT:

34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
633	670	707	744	781	818	855	892	929	966	1003	1040	1077	1114	1151