

exena.

MAGMA S3S HI M HRO FO SR



DESCRIPTION	NORM EN ISO 20345:2022 + A1:2024	RESULT	REQUIREMENT
UPPER: Black genuine leather	5.4.3 Tear strength 5.4.6 Water vapor permeability Coefficient	244 N 2.5 mg/cm ² h 20,7 mg/cm ²	≥120 N ≥ 0,8 mg/cm ² h ≥ 15,0 mg/cm ²
VAMP 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	79 N No holes No holes 5,6 mg/cm ² h 45,5 mg/cm ²	≥ 15 N 25.600 cycles 12.800 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	52 N No holes No holes 22,6 mg/cm ² h 182,8 mg/cm ²	≥ 15 N 25.600 cycles 12.800 cycles ≥ 2,0 mg/cm ² ≥20,0 mg/cm ²
SAFETY TOE CAP: Non-metallic polycarbonate safety toe.	5.3.2.6 Impact resistance 5.3.2.7 Compression resistance	16,0 mm 15,0 mm	≥ 14 mm ≥ 14 mm
PIERCE-RESISTANCE: Textile pierce proof footbed,	6.2.1.1.3 Resistance to perforation	PASS	Min.1100 N

exena.

FOOTBED: Removable,
cushioned, antistatic insole.

5.7.4.2 Abrasion resistance (dry)
Abrasion resistance (wet)

NO HOLES
NO HOLES

25.600 cycles
12.800 cycles

OUTSOLE: PU + RUBBER ,
Antislip SR

5.8.2 Tear strength
5.8.4 Abrasion resistance
5.8.5 Flexing resistance
5.8.6 Hydrolysis
6.4.2 Oils resistance

11.3 kN/m
109.0 mm³
0,9 mm
0,9 mm
4.0 %

≥ 8 kN/m
≤ 150 mm³
≤ 4,0 mm
≤ 6,0 mm
≤ 12%

6.2.10 Slip resistance on ceramic with
glycerin

(tilted towards the heel of 7°)

0,26

≥ 0,19

(tilted towards the tip of 7°)

0,25

≥ 0,22

5.3.5.2 Slip resistance on ceramic with
cleaning agent

(tilted towards the heel of 7°)

0,38

≥ 0,31

(tilted towards the tip of 7°)

0,41

≥ 0,36

6.2.2.2 Antistatic

dry: 839.0 x10⁷Ω
wet: 155.43 x10⁷Ω

0,1 ÷ 1000 MΩ
0,1 ÷ 1000 MΩ

SIZES: 38-48

WEIGHT:

38 39 40 41 42 43 44 45 46 47

1374 1436 1498 1560 1622 1684 1746 1808 1870 1932