



U GROUP SRL
Via Borgomanero n° 1
28040 Paruzzaro (NO)

LEGAL DATA:
C.F e Reg.Imp.Novara: 02041920030
CCIAA Novara REA: 211799
P.IVA: IT02041920030
Codice Export: No015724
Cap.Soc.: 119.000 Iv

CONTACTS:
WEBSITE: www.u-power.it/en
EMAIL: info@u-power.it
TEL: +39 0322 53 94 01
FAX: +39 0322 23 00 01

REV. 11/11/2024

DATA SHEET

PRODUCT PICTURE

RANGES

TECHNOLOGIES

RL20013 CARBON S3S CI FO SR ESD
Natural Confort 11 Mondopoint
AirToe Aluminium
SHOE TYPE "A"
SIZE RANGE 35-48 (UK: 2-13)
Size tested: 42 - WEIGHT Kg 1,181



DESCRIPTION

TECHNICAL SPECIFICATIONS

EN ISO STANDARD

VALUE

Safety shoes low, light and comfortable U-Power of the Red Lion range, with upper in natural nubuck leather, aluminum toecap, ultra-breathable, water-repellent, anti-puncture, anti-slip and PU / PU infinergy sole.

SAFETY TOE CAP "AirToe Aluminium"

Impact resistance. Free heights after collision mm
Compressive strength. Free heights after compr. mm

≥ 14
≥ 14

20345:2022

RESULT

16,5
14,5

INSOLE "Save & Flex PLUS® , pierce resistant "non metal""

Puncture resistance N

≥ 1100

Compliant

ELECTRICAL RESISTANCE CATEGORY

< 10⁹ Ω

Compliant

UPPER DYNAMIC WATERPROOFING AFTER 60'

Water absorption after 60'

≤ 30%

4,5

Water transmitted after 60'

≤ 0,2 gr

0

Permeability to water vapor mg/(cm² h)

≥ 0,8

6,9

Permeability coefficient mg/cm²

≥ 15

70,5

VAMP LINING

Permeability to water vapor mg/(cm² h)

≥ 2

23,7

Permeability coefficient mg/cm²

≥ 20

189,7

Resistance to abrasion - DRY cycles

25.600 cycles

Compliant

Resistance to abrasion - WET cycles

12.800 cycles

Compliant

INSOLE

Abrasion resistance

≥ 400 cycles

No damage

SOLE WEAR

Abrasion resistance (volume loss) mm³

≤ 250

77

Bending resistance mm

≤ 4

3,2

Resistance to sole / midsole detachment N/mm

≥ 3

3,4

Hydrocarbons resistance (% volume variation)

≤ 12

11,6

Heel energy absorption J

≥ 20

36

SLIP RESISTANCE

Slip resistance on ceramic with NaLS (forward heel 7°)

≥ 0,31

0,42

Slip resistance on ceramic with NaLS (backward forepart 7°)

≥ 0,36

0,36

SR-Slip resistance on ceramic with glycerin (forward heel 7°)

≥ 0,19

0,31

SR-Slip resistance on ceramic with glycerin (backward forepart 7°)

≥ 0,22

0,28