



U GROUP SRL
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DATA SHEET

PRODUCT PICTURE

RANGES

TECHNOLOGIES

RI20404 BURN S2 SRC ESD
Natural Confort 11
AirToe Composite
SHOE TYPE "A"
SIZE RANGE 35-48
Size tested: 42 - WEIGHT Kg 0,93



DESCRIPTION

TECHNICAL SPECIFICATIONS

EN ISO STANDARD

VALUE

Burn is a style of **safety shoe** in standard protection **S2 SRC ESD**.
Safety shoes with recycled material and from **renewable sources** which guarantee **zero CO2 emissions**, responding to the demand for **eco-sustainability** and **respect for the environment**.
Green safety shoes, totally "Metal Free", featuring the **ultra-lightweight AirToe Composite toe cap** protecting the toes.
Burn is a model of **eco-friendly, low-top, comfortable shoes**, ideal for the **chemical industry**.
Carbon Neutral safety shoes with **New Safety Dry, water-repellent** and **breathable upper** with a high percentage of **recycled material**.
Anatomic, antibacterial, anti-static and **self-modelling WOW2 Green footbed** in PU by BASF, obtained from 100% renewable sources which ensures a pleasant sensation of well-being and prolonged comfort.
Wingtex® Green **lining with breathable air tunnel** made from 66% **recycled material**.
Scuff resistant, oil resistant, anti-slip and **anti-static PU sole** by BASF obtained from 100% **renewable sources**.

SAFETY TOE CAP "AirToe Composite"
Impact resistance. Free heights after collision mm
Compressive strength. Free heights after compr. mm
INSOLE "-"
Puncture resistance N
ELECTRICAL RESISTANCE CATEGORY
Environmental class 1 - 12% humidity
Environmental class 2 - 25% humidity
Environmental class 3 - 50% humidity
UPPER DYNAMIC WATERPROOFING AFTER 60'
Water absorption after 60'
Water transmitted after 60'
Permeability to water vapor mg/(cm² h)
Permeability coefficient mg/cm²
VAMP LINING
Permeability to water vapor mg/(cm² h)
Permeability coefficient mg/cm²
Resistance to abrasion - DRY cycles
Resistance to abrasion - WET cycles
INSOLE
Abrasion resistance
SOLE WEAR
Abrasion resistance (volume loss) mm³
Bending resistance mm
Resistance to sole / midsole detachment N/mm
Hydrocarbons resistance (% volume variation)
Heel energy absorption J
Adherence coef. with EN 13207 SRB method
Adherence coef. with EN 13207 SRA method

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Impact resistance. Free heights after collision mm	≥ 14	16,5
Compressive strength. Free heights after compr. mm	≥ 14	14,0
Puncture resistance N	≥ 1100	Compliant
Environmental class 1 - 12% humidity	10 ⁵ Ω e 10 ⁹ Ω (0,1 MΩ a 100 MΩ)	< 10 ⁸ Ohm
Environmental class 2 - 25% humidity	10 ⁵ Ω e 10 ⁹ Ω (0,1 MΩ a 100 MΩ)	< 10 ⁸ Ohm
Environmental class 3 - 50% humidity	10 ⁵ Ω e 10 ⁹ Ω (0,1 MΩ a 100 MΩ)	< 10 ⁸ Ohm
Water absorption after 60'	≤ 30%	0
Water transmitted after 60'	≤ 0.2 gr	1.4
Permeability to water vapor mg/(cm ² h)	≥ 0.8	1.1
Permeability coefficient mg/cm ²	≥ 15	15.5
Permeability to water vapor mg/(cm ² h)	≥ 2	96.3
Permeability coefficient mg/cm ²	≥ 20	770.5
Resistance to abrasion - DRY cycles	25600 cycles	No hole
Resistance to abrasion - WET cycles	12800 cycles	No hole
Abrasion resistance	≥ 400 cycles	No damage
Abrasion resistance (volume loss) mm ³	≤ 150	61
Bending resistance mm	≤ 4	0
Resistance to sole / midsole detachment N/mm	≥ 3	5,0
Hydrocarbons resistance (% volume variation)	≤ 12	4,6
Heel energy absorption J	≥ 20	32
Adherence coef. with EN 13207 SRB method	≥ 0.18	0,29
Adherence coef. with EN 13207 SRA method	≥ 0.32	0,33