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

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REV. 27/05/2024

DATA SHEET

RL10036 RAMAS S1P SRC ESD
Natural Confort 11 Mondopoint
AirToe Aluminium
SHOE TYPE “B”
SIZE RANGE 35-48
Size tested: 42 - WEIGHT 1.080

PRODUCT PICTURE



RANGES

TECHNOLOGIES

DESCRIPTION

Safety shoes high, light and comfortable U-Power of the Red Lion range, with upper in Soft suede upper with Nylon inserts, aluminum toecap, anti-puncture, anti-slip and PU / PU infinergy, S1P SRC ESD

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	EN ISO STANDARD	VALUE
SAFETY TOE CAP “AirToe Aluminium”	**20345:2011**	**RESULT**
Impact resistance. Free heights after collision mm	≥ 14	17,5
Compressive strength. Free heights after compr. mm	≥ 14	17,0
INSOLE “Save & Flex PLUS®, durchtrittsichere Zwischensole "no metal" aus Verbundmaterial”		
Puncture resistance N	≥ 1100	Compliant
ELECTRICAL RESISTANCE CATEGORY		
Environmental class 1 - 12% humidity	10^5 Ω e 10^9 Ω (0,1 MΩ a 100 MΩ)	< 10^8
Environmental class 2 - 25% humidity	10^5 Ω e 10^9 Ω (0,1 MΩ a 100 MΩ)	< 10^8
Environmental class 3 - 50% humidity	10^5 Ω e 10^9 Ω (0,1 MΩ a 100 MΩ)	< 10^8
UPPER DYNAMIC WATERPROOFING AFTER 60'		
Water absorption after 60'	≤ 30%	N.A.
Water transmitted after 60'	≤ 0.2 gr	N.A.
Permeability to water vapor mg/(cm^2 h)	≥ 0.8	7,0 mg/(cm2h)
Permeability coefficient mg/cm^2	≥ 15	62,6 mg/cm2
VAMP LINING		
Permeability to water vapor mg/(cm^2 h)	≥ 2	24,5
Permeability coefficient mg/cm^2	≥ 20	196,6
Resistance to abrasion - DRY cycles	25600 cycles	No hole
Resistance to abrasion - WET cycles	12800 cycles	No hole
INSOLE		
Abrasion resistance	≥ 400 cycles	No damage
SOLE WEAR		
Abrasion resistance (volume loss) mm^3	≤ 150	55
Bending resistance mm	≤ 4	1,0
Resistance to sole / midsole detachment N/mm	≥ 3	5,0
Hydrocarbons resistance (% volume variation)	≤ 12	1
Heel energy absorption J	≥ 20	34
Adherence coef. with EN 13207 SRB method	≥ 0.18	0,24
Adherence coef. with EN 13207 SRA method	≥ 0.32	0,68