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

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REV. 11/11/2024

DATA SHEET

RI21076 TOKYO ESD S1PS FO SR
Natural Confort 11 Mondopoint
AirToe Composite
SHOE TYPE "A"
SIZE RANGE 35-42 (UK: 2-8)
Size tested: 42 - WEIGHT Kg 1,155

PRODUCT PICTURE

RANGES

RED INDUSTRY

LEI&LEI

TECHNOLOGIES

ESD
Save & Flex plus
wingtex
METAL FREE 100%
Airtoe COMPOSITE
Natural CONFORT 11
WOW2
Made with Infinergy® – the E-TPU from BASF We create chemistry

DESCRIPTION

Women's safety footwear, ideal for those who have to work standing up for many hours.

Comfortable work shoes with **anatomical insole** with **WOW2 anti-fatigue insert** and self-modelling properties for long-lasting comfort.

Lightweight and **breathable safety shoes** with upper **in** soft **perforated suede** and blue mesh inserts. The **WingTex** lining with **air channels** ensures foot **well-being and health**.

Tokyo is a **safety shoe** with **AirToe composite toe cap** for protection of the forefoot and Save & Flex Plus **anti-perforation system** which guarantees **100% safety** of the sole of the foot.

Anti-slip safety footwear with **abrasion-resistant**, **oil-resistant** and **anti-static** PU/PU sole suitable for **warehouse workers**, **transport** and **logistics**, **carpenters**, **joiners**, **process workers**, **gas station operators**, **craftsmen**, **builders**, **electricians**, **plumbers**, **gardeners** and **farmers**, **painters**, **mechanics** and **tyre repairers**.

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	EN ISO STANDARD	VALUE
SAFETY TOE CAP "AirToe Composite"	**20345:2022**	**RESULT**
Impact resistance. Free heights after collision mm	≥ 14	17,5
Compressive strength. Free heights after compr. mm	≥ 14	22,5
INSOLE "Save & Flex® PLUS"		
Puncture resistance N	≥ 1100	Compliant
ELECTRICAL RESISTANCE CATEGORY	$< 10^9$ Ω	Compliant
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	10,6
Permeability coefficient mg/cm^2	≥ 15	92,7
VAMP LINING		
Permeability to water vapor mg/(cm^2 h)	≥ 2	55,7
Permeability coefficient mg/cm^2	≥ 20	445,8
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) mm^3	≤ 150	47
Bending resistance mm	≤ 4	1,2
Resistance to sole / midsole detachment N/mm	≥ 3	5,1
Hydrocarbons resistance (% volume variation)	≤ 12	3,4
Heel energy absorption J	≥ 20	30
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	0,51
SR-Slip resistance on ceramic with glycerin (forward heel 7°)	≥ 0,19	0,21
SR-Slip resistance on ceramic with glycerin (backward forepart 7°)	≥ 0,22	0,26