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TECHNICAL SHEET		PRODUCT PHOTO		LINES	TECHNOLOGIES		
OUT20124 - AIKO ESD S3S CI LG FO SR Natural Confort 11-12-13 Mondopoint FiberToe FOOTWEAR TYPE "A" TEST REPORT SIZE 42 WEIGHT 1465g SIZES 35-49 (UK: 2-13,5)							
DESCRIPTION		TECHNICAL SPECIFICATIONS				NORM EN ISO	VALUE
Aiko is a safety shoe by U-Power, designed to combine safety, comfort and a modern design. Made of fine natural Nubuck leather, these shoes provide softness, resistance and impeccable style for all types of work. The FiberToe toe cap protects the foot from impacts guaranteeing a sensation of extreme lightness, while the Save & Flex® PLUS anti-perforation insole ensures freedom of movement and maximum protection against sharp objects. The PU/PU Infinergy® sole returns energy at every step, limiting fatigue during the most intense days. Aiko has three U-Power original interchangeable insoles that allow you to choose the ideal fit for your own personalised comfort. Perfect for light work environments, manufacturing, logistics and services, this low-cut work footwear has a signature versatile and modern design that makes it ideal for anyone who wants a professional, dynamic and smart look in any work situation.		SAFETY TOE CAP				EN ISO 20345:2022+A1:2024	
		Impact resistance. Free heights after collision mm				≥14	15,5
		Compressive strength. Free heights after compr. mm				≥14	20,5
		ANTI-PERFORATION INSERT					
		Puncture resistance				≥1100N	Compliant
		ELECTRICAL RESISTANCE OF THE SHOE					
		Measurement result				<10°ohm	Compliant
		UPPER DYNAMIC WATERPROOFING AFTER 60'					
		Water absorption after 60'				≤30%	4,5
		Water transmitted after 60'				≤0,2 gr	4,5
		Permeability to water vapor mg/(cm^2 h)				≥0,8	5,2
		Permeability coefficient mg/cm^2				≥15	47,2
		VAMP LINING					
		Permeability to water vapor mg/(cm^2 h)				≥2	77,5
		Permeability coefficient mg/cm^2				≥20	620,2
		Resistance to abrasion				12800/25600 cycles	No hole
		SOLE WEAR					
		Abrasion resistance (volume loss) mm^3				≤150	0,96
		Resistance to sole / midsole detachment N/mm				≥3	3,4
Heel energy absorption J				≥20	47		
SLIP RESISTANCE							
On ceramic with NaLS (forward heel 7°)				≥0,31	0,42		
On ceramic with NaLS (backward heel 7°)				≥0,32	0,41		
SR-Slip resistance on ceramic with glycerin (forward heel 7°)				≥0,19	0,30		
SR-Slip resistance on ceramic with glycerin (backward heel 7°)				≥0,22	0,34		