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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 ⁹ 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			