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TECHNICAL SHEET		PRODUCT PHOTO	LINES	TECHNOLOGIES	
ORT20086 - LORAS ESD S1PS HI HRO FO SR Natural Confort 11 Mondopoint® NanoFiber Toe Cap, ultralight, metal free. FOOTWEAR TYPE "A" TEST REPORT SIZE 42 SIZES 35-48				       	
DESCRIPTION	TECHNICAL SPECIFICATIONS		NORM EN ISO	VALUE	
The Loras from the Red Stratos range are low-cut, lightweight safety shoes, ideal for those seeking protection and comfort even in warmer seasons. With protection class S1PS HI HRO FO SR, they offer an ultra-lightweight NanoFiber toecap, metal-free anti-puncture midsole and a stretchy, breathable and ergonomic U-Knit upper. The high-grip, heat- and oil-resistant outsole ensures stability on demanding surfaces, while the breathable lining and anatomical U-Power Original footbed ensure prolonged comfort, perfect for industry, logistics and technical environments.			EN ISO 20345:2022+A1:2024		
	SAFETY TOE CAP	Impact resistance. Free heights after collision mm	≥14	16,0	
		Compressive strength. Free heights after compr. mm	≥14	17,0	
	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%	N/A	
		Water transmitted after 60'	≤0,2 gr	N/A	
	VAMP LINING	Permeability to water vapor mg/(cm^2 h)	≥2	7,9	
		Permeability coefficient mg/cm^2	≥20	63,9	
		Resistance to abrasion	12800/25600 cycles	No hole	
	SOLE WEAR	Abrasion resistance (volume loss) mm^3	≤150	79	
		Bending resistance mm	≤4	1.0	
		Resistance to sole / midsole detachment N/mm	≥3	4.3	
		Heel energy absorption J	≥20	33	
	SLIP RESISTANCE	On ceramic with NaLS (forward heel 7°)	≥0,31	0.38	
		On ceramic with NaLS (backward heel 7°)	≥0,32	0.43	
		SR-Slip resistance on ceramic with glycerin (forward heel 7°)	≥0,19	0.26	
		SR-Slip resistance on ceramic with glycerin (backward heel 7°)	≥0,22	0.29	