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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			