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TECHNICAL SHEET		PRODUCT PHOTO		LINES		TECHNOLOGIES					
ORT10124 - ARRYN ESD S3S CI HI HRO FO SR Natural Confort 11 Mondopoint® NanoFiber Toe Cap, ultralight, metal free. FOOTWEAR TYPE "B" TEST REPORT SIZE 42 SIZES 35-48						        					
DESCRIPTION		TECHNICAL SPECIFICATIONS				NORM EN ISO		VALUE			
The Arryn from the Red Stratos range are safety shoes designed for those working in demanding, cold environments. With protection class S3S HI HRO FO ESD SR, they offer an ultra-lightweight NanoFiber toecap, metal-free perforation protection and PUTEK® star upper that is durable, breathable and water-repellent. The high-grip sole resists heat and oil, while the anatomical lining and footbed provide comfort and extended support, with integrated ESD protection for electrostatic safety.		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'									
		Permeability to water vapor mg/(cm^2 h)				≥0,8				19,2	
		Permeability coefficient mg/cm^2				≥15				154,3	
		VAMP LINING									
		Permeability to water vapor mg/(cm^2 h)				≥2				19,2	
		Permeability coefficient mg/cm^2				≥20				154,3	
		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			