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TECHNICAL SHEET		PRODUCT PHOTO		LINES		TECHNOLOGIES	
ORT10154 - TYRON 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 Tyron ESD is a robust and versatile safety shoe designed for maximum protection and comfort even in intensive use. With protection class S3S CI HI HRO FO SR, it offers protection against impact, puncture, cold, heat and slipping on difficult surfaces, with an ESD system to reduce electrostatic discharge. Made from soft black tumbled nubuck leather, they ensure strength and durability, while breathable lining and technical materials contribute to prolonged comfort. Ideal for industry, logistics, assembly and automotive.						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