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TECHNICAL SHEET		PRODUCT PHOTO	LINES	TECHNOLOGIES
ORT20164 - NED ESD S3S CI 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		
The NED ESD are versatile and robust safety shoes, ideal for professional use. With protection class S3S CI HI HRO FO SR, they guarantee complete safety on wet, cold and oily ground with integrated ESD protection against electrostatic discharge. Grey tumbled soft nubuck leather upper, toecap and anti-puncture system, high-grip sole and stability. Designed to offer prolonged comfort, breathability and support throughout the working day in various sectors.		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%	16,3
		Water transmitted after 60'	≤0,2 gr	16,3
		Permeability to water vapor mg/(cm^2 h)	≥0,8	2,8
		Permeability coefficient mg/cm^2	≥15	23,8
		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	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		