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TECHNICAL SHEET		PRODUCT PHOTO		LINES	TECHNOLOGIES
ORT20094 - VHAGAR 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			
VHAGAR ESD is a safety shoe with protection class S3S CI HI HRO FO SR, designed for outdoor environments and harsh conditions. The PUTEK Star upper offers high abrasion resistance and water resistance, while the Super Critical Technology outsole provides comfort and stability.		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
		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