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TECHNICAL SHEET		PRODUCT PHOTO	LINES	TECHNOLOGIES	
ORT20016 - ARYA ESD S1PS HI HRO FO SR Natural Confort 11 Mondopoint® NanoFiber Toe Cap, ultralight, metal free. FOOTWEAR TYPE "A" TEST REPORT SIZE 42 WEIGHT 927g SIZES 35-48					
DESCRIPTION	TECHNICAL SPECIFICATIONS		NORM EN ISO	VALUE	
ARYA ESD is a safety shoe designed to offer lightness, comfort, and energy return. The stretch U-KNIT upper, featuring laser-cut detailing and suede inserts, ensures breathability and a dynamic fit. The metal-free NanoFiber toe cap, ultra-lightweight puncture-resistant insole, and U-Power Foam outsole with HRO tread guarantee protection and comfort throughout the workday.			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	
	Permeability to water vapor mg/(cm^2 h)		≥0,8	4,4	
	Permeability coefficient mg/cm^2		≥15	36,2	
	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	