

	U GROUP SRL Via Borgomanero n° 1 28040 Paruzzaro (NO)	LEGAL DATA: Tax Code and Reg.Imp.Novara: 02041920030 CCIAA Novara REA: 211799 VAT: IT02041920030 Export Code: No015724 Share Capital: 119.000 Iv	CONTACTS: WEBSITE: www.u-power.ai/en-gb EMAIL: info@u-power.it TEL: +39 0322 53 94 01 FAX: +39 0322 23 00 01	REV. 31/07/2026		
TECHNICAL SHEET		PRODUCT PHOTO	LINES	TECHNOLOGIES		
ORT20174 - VELARYON 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			NORM EN ISO	VALUE
The Velaryon ESD work shoes combine safety and comfort for long working hours. Class S3S CI HI HRO FO SR they offer a reinforced toe, non-slip and oil-resistant sole, water protection and thermal insulation. The integrated ESD prevents electrostatic discharge. Made of lightweight, breathable materials, they provide prolonged comfort, stability and support, perfect for industry, logistics and technical environments.		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			