

	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		
ORT20036 - STARK ESD S1PS 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
STARK ESD is an S1PS HI HRO FO SR protection class safety shoe designed for prolonged use. The stretch U-KNIT upper promotes breathability, while the Super Critical Technology outsole with HRO tread provides stability, grip and responsive comfort all day long.		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		