

	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			
ORT20026 - BRAN 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	
BRAN ESD is a safety shoe designed for dynamic work environments. The upper, made from stretch U-KNIT with suede, offers flexibility and comfort, whilst the U-Power Foam sole reduces fatigue by returning energy with every step. Protection class S1PS HI HRO FO SR to ensure maximum protection and performance.		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 ⁹ 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		