

		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		
ORT10154 - TYRON ESD S3S CI HI HRO FO SR Natural Confort 11 Mondopoint® NanoFiber Toe Cap, ultralight, metal free. FOOTWEAR TYPE "B" TEST REPORT SIZE 42 SIZES 35-48					       		
DESCRIPTION		TECHNICAL SPECIFICATIONS					
The Tyron ESD is a robust and versatile safety shoe designed for maximum protection and comfort even in intensive use. With protection class S3S CI HI HRO FO SR, it offers protection against impact, puncture, cold, heat and slipping on difficult surfaces, with an ESD system to reduce electrostatic discharge. Made from soft black tumbled nubuck leather, they ensure strength and durability, while breathable lining and technical materials contribute to prolonged comfort. Ideal for industry, logistics, assembly and automotive.		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'					
		Permeability to water vapor mg/(cm^2 h)	≥0,8		19,2		
		Permeability coefficient mg/cm^2	≥15		154,3		
		VAMP LINING					
		Permeability to water vapor mg/(cm^2 h)	≥2		19,2		
		Permeability coefficient mg/cm^2	≥20		154,3		
		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		