

	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																																																																									
ORT10094 - PYKE 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				NORM EN ISO	VALUE																																																																							
The Pyke ESD are safety shoes designed to provide comprehensive protection and advanced comfort in all working conditions. With protection class S3S CI HI HRO FO SR, they offer a lightweight NanoFiber toe cap that protects against impact whilst been lightweight and a construction that is impact, puncture, cold and heat resistant. The high-grip sole ensures stability on difficult surfaces and the integrated ESD technology reduces electrostatic discharge. Ideal for industries, logistics and technical environments that require safety, durability and all-day comfort.	EN ISO 20345:2022+A1:2024 <table><tr><td>SAFETY TOE CAP</td><td></td><td></td></tr><tr><td>Impact resistance. Free heights after collision mm</td><td>≥14</td><td>16,0</td></tr><tr><td>Compressive strength. Free heights after compr. mm</td><td>≥14</td><td>17,0</td></tr><tr><td>ANTI-PERFORATION INSERT</td><td></td><td></td></tr><tr><td>Puncture resistance</td><td>≥1100N</td><td>Compliant</td></tr><tr><td>ELECTRICAL RESISTANCE OF THE SHOE</td><td></td><td></td></tr><tr><td>Measurement result</td><td><10°ohm</td><td>Compliant</td></tr><tr><td>UPPER DYNAMIC WATERPROOFING AFTER 60'</td><td></td><td></td></tr><tr><td>Water absorption after 60'</td><td>≤30%</td><td>N/A</td></tr><tr><td>Water transmitted after 60'</td><td>≤0,2 gr</td><td>N/A</td></tr><tr><td>VAMP LINING</td><td></td><td></td></tr><tr><td>Permeability to water vapor mg/(cm^2 h)</td><td>≥2</td><td>7,9</td></tr><tr><td>Permeability coefficient mg/cm^2</td><td>≥20</td><td>63,9</td></tr><tr><td>Resistance to abrasion</td><td>12800/25600 cycles</td><td>No hole</td></tr><tr><td>SOLE WEAR</td><td></td><td></td></tr><tr><td>Abrasion resistance (volume loss) mm^3</td><td>≤150</td><td>79</td></tr><tr><td>Bending resistance mm</td><td>≤4</td><td>1.0</td></tr><tr><td>Resistance to sole / midsole detachment N/mm</td><td>≥3</td><td>4.3</td></tr><tr><td>Heel energy absorption J</td><td>≥20</td><td>33</td></tr><tr><td>SLIP RESISTANCE</td><td></td><td></td></tr><tr><td>On ceramic with NaLS (forward heel 7°)</td><td>≥0,31</td><td>0.38</td></tr><tr><td>On ceramic with NaLS (backward heel 7°)</td><td>≥0,32</td><td>0.43</td></tr><tr><td>SR-Slip resistance on ceramic with glycerin (forward heel 7°)</td><td>≥0,19</td><td>0.26</td></tr><tr><td>SR-Slip resistance on ceramic with glycerin (backward heel 7°)</td><td>≥0,22</td><td>0.29</td></tr></table>					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	VAMP LINING			Permeability to water vapor mg/(cm^2 h)	≥2	7,9	Permeability coefficient mg/cm^2	≥20	63,9	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
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