



## X1100N79 SB

Mid-cut leather safety shoe for protection in style

Safety Jogger X1100N79 safety shoes offer SR slip resistance, electrical hazard protection, and a composite toe cap. The breathable leather upper and warm lining ensure comfort, while the SJ Flex provides metal-free puncture resistance.

|               |   |
|---------------|---|
| Upper         | Nappa Action Leather  |
| Lining        | Teddy   |
| Footbed       | Teddy   |
| Midsole       | Anti-puncture Textile   |
| Outsole       | PU/PU   |
| Toecap        | Composite   |
| Category      | SB / PS, SR, WPA, E, CI, FO   |
| Size range    | EU 35-48 / UK 3.0-13.0 / US 3.0-13.5<br>JPN 21.5-31.5 / KOR 230-315 |
| Sample weight | 0.710 kg  |
| Norms         | ASTM F2413:2018<br>EN ISO 20345:2022+A1:2024                        |



BLK



### Electrical hazard (EH)

Electrical hazard (EH) rated safety shoes have nonconductive outsoles. As a secondary source of protection they reduce the potential for electric shocks under dry conditions.



### Composite toecap

Metal-free and lightweight, no thermal or electrical conductivity



### Breathable leather upper

Natural leather provides a high degree of wearer comfort combined with durability in versatile applications.



### SRC slip resistance

Slip resistant soles are one of the most important features of safety and occupational footwear. SRC slip resistant soles pass both SRA and SRB slip resistant tests, they are tested on both steel and ceramic surfaces.



### SJ Flex

Metal-free puncture resistant material, which is lighter and more flexible than steel. The material is not thermal conductive. Covers 100% of the surface of the last bottom.



### Warm lining

Keeps your feet warm and dry in cold environments.

**Industries:**

Chemical, Construction, Logistics, Mining, Oil & Gas, Industry, Tactical

**Environments:**

Cold environment, Extreme slippery surfaces, Wet environment, Snowy and icy, Uneven surfaces, Muddy environment

**Maintenance instructions:**

To extend the life of your shoes, we recommend to clean them regularly and to protect them with adequate products. Do not dry your shoes on a radiator, nor nearby a heat source.

|                | Description  | Measure unit          | Result      | EN ISO 20345 |
|----------------|--|-----------------------|-------------|--------------|
| <b>Upper</b>   | <b>Nappa Action Leather</b>                                      |                       |             |              |
|                | Upper: permeability to water vapor                               | mg/cm <sup>2</sup> /h | 2.86        | ≥ 0.8        |
|                | Upper: water vapor coefficient                                   | mg/cm <sup>2</sup>    | 30          | ≥ 15         |
| <b>Lining</b>  | <b>Teddy</b>   |                       |             |              |
|                | Lining: permeability to water vapor                              | mg/cm <sup>2</sup> /h | 40.21       | ≥ 2          |
|                | Lining: water vapor coefficient                                  | mg/cm <sup>2</sup>    | 323         | ≥ 20         |
| <b>Footbed</b> | <b>Teddy</b>   |                       |             |              |
|                | Footbed: abrasion resistance (dry/wet) (cycles)                  | cycles                | 25600/12800 | 25600/12800  |
| <b>Outsole</b> | <b>PU/PU</b>   |                       |             |              |
|                | Outsole abrasion resistance (volume loss)                        | mm <sup>3</sup>       | 33          | ≤ 150        |
|                | Basic Slip resistance - Ceramic + NaLS - Forward heel slip       | friction              | 0.39        | ≥ 0.31       |
|                | Basic Slip resistance - Ceramic + NaLS - Backward forepart slip  | friction              | 0.36        | ≥ 0.36       |
|                | SR Slip resistance - Ceramic + glycerin - Forward heel slip      | friction              | 0.30        | ≥ 0.19       |
|                | SR Slip resistance - Ceramic + glycerin - Backward forepart slip | friction              | 0.26        | ≥ 0.22       |
|                | Antistatic value   | MegaOhm               | N/A         | 0.1 - 1000   |
|                | ESD value  | MegaOhm               | N/A         | 0.1 - 100    |
|                | Heel energy absorption   | J                     | 31          | ≥ 20         |
| <b>Toecap</b>  | <b>Composite</b>   |                       |             |              |
|                | Impact resistance toecap (clearance after impact 100J)           | mm                    | N/A         | N/A          |
|                | Compression resistance toecap (clearance after compression 10kN) | mm                    | N/A         | N/A          |
|                | Impact resistance toecap (clearance after impact 200J)           | mm                    | 16.5        | ≥ 14         |
|                | Compression resistance toecap (clearance after compression 15kN) | mm                    | 21.5        | ≥ 14         |

Sample size:

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