



TECHNICAL SPECIFICATIONS

FOOTWEAR STYLE RAPTOR BLU, DUAL DENSITY POLYURETHANE INJECTED SOLE

Ultra-lightweight safety boot. With composite toe cap.

This model is ergonomically designed, made with SicKnit Upper (ultra breathable, high-tech textiles). It has a SicMesh® inner lining (textile and 100% breathable).

The shoe has a padded collar that increases comfort and mobility with an optimal fit to the foot, and a polyester-based insole with SicTex® membrane (antibacterial and extremely breathable).

The outsole is made of dual-density elastomeric microcellular polyurethane, made of a polyurethane midsole with lower density (to increase cushioning) and an extremely flexible and lightweight outsole.

MATERIAL SPECIFICATIONS

Protective toe cap:

Composite toe cap resistant to corrosion, impact and compression.

Puncture resistant textile midsole, 100% metal free (1.100 N force)

Test Standard	Specification
ASTM 2412	UNE EN ISO 20344 NVC 39:2003 PDVSA EM 36-01/01

OUTSOLE

Grade 1 Polyurethane outsole according to ASTM D3851, formulated to resist hydrocarbon fuels and lubricants. Anti-slip and doesn't scratch the floor.

General Properties of the Outsole:

- Tensile strength and elongation to breaking point (higher than 4.9 MPa and 300%)
- Tear strength (higher than 22.0 and 11.5 KN/m)
- Bending fatigue resistance: 150,000 cycles
- Abrasion resistance:
 - $\leq 300 \text{ mm}^3$: E.T.M. PDVSA, $\leq 350 \text{ mm}^3$: ISO 4649 standard

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MANUFACTURED SHOE

General Properties of manufactured shoe:

- Resistance of union of upper-sole: 800 N force
- Test voltage of 14 kV for AC (alternating current) with leakage current less than or equal to 3 milli Ampere (mA). For DC (direct current) at 20kV with leakage current not greater than 200 micro Ampere (μA).
- Impact test on footwear: 12.5 mm minimal height.
 - Compression test: 19.5 mm minimal height.
 - Puncture resistance: 1,100 N force

Test Standard	Specification
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"At Calzados Sicura, we develop and manufacture industrial safety and work shoes with the highest quality standards, complying with the requirements of our clients and any applicable standards, working with a valuable team focused on continually improving our Management System."

Política de la Calidad de Calzados Sicura, C.A.