

Technical rubber and silicone components

Compounded and moulded in-house since 1995

Injection-moulded and extruded elastomer components, produced to customer drawing. We hold no catalogue and no shelf stock: every part is customer-specific on two axes — a dedicated tool, and a compound formulated for that application.

FOUNDED	EMPLOYEES	PLANT	INJECTION	EXTRUSION	CERTIFIED
1995	50	1,500 m ²	16 machines	3 lines	20+ years

PROCESSES

PROCESS	MACHINES	SUITED TO
Injection moulding	16 · 80–240 t	Repeat series, tight repeatability, complex geometry
Extrusion	3 · hot air tunnel	Continuous sections cut to length
Compression	3	Thick sections, short runs, prototypes

MATERIALS — CHOSEN AGAINST SERVICE CONDITION

NBR — nitrile	Oils, fuels, hydrocarbons
EPDM	Weather, ozone, UV, hot water and steam
VMQ — silicone	Wide temperature range, low compression set
SBR	Abrasion, general dynamic service
NR — natural rubber	Resilience, tear strength, dynamic loading
CR — chloroprene	Moderate oil combined with weather resistance

Hardness 25–90 Shore A. Colour to requirement. Series from 30 pieces to over 2 million a month.

MARKETS

Outdoor network infrastructure — grommets, gaskets and cable-entry seals for optical terminal boxes, FTTx enclosures and EV charging cabinets.

Banking automation — components for self-service terminals and cash-handling equipment.

Beverage equipment — keg neck seals, centring cups, grippers, valve seats, sealing discs, repair kits.

Automotive — rings, oil seals, bushings and sleeves.

Mining and initiation systems — extruded and cut components in continuous export series.

Industrial and custom — diaphragms, latex tubing, rotors for milk pumping, poultry plucking fingers.

Compounds are mixed in-house

One internal mixer and two open mills, batches to 30 kg. We formulate against the substances the part will meet in service — not against catalogue availability.

When a part underperforms in the field, we modify the compound directly instead of waiting on a supplier's reformulation cycle.

QUALITY

Certificate	ITAC-OCS-0024/2024
Standard	ABNT NBR ISO 9001:2015
Valid to	23 March 2027
Accreditation	INMETRO/Cgcre OCS 0035 — IAF MLA

The certified scope covers compound formulation as well as manufacture. Our mixing room is not adjacent to the quality system — it is inside it.

Every compound batch is tested on a rheometer and for hardness before release. The full cure curve is recorded per batch, which catches a formulation deviation before it becomes a part.

Once a compound is approved for a customer, the formulation is frozen. No change without prior written notification.

HOW A PART STARTS

From a drawing, a sample to be reproduced, or a component failing in service. We propose the elastomer and formulation, tool with partner toolmakers, and deliver first article with dimensional report before series.

CURRENT PROGRAMME

Process stability, automated inspection and handling, and evaluation of LSR for selected part families. In 2026 Elastobras is taking part in the IHK Exportakademie *Partnering in Business with Germany* programme, with three weeks in Stuttgart in October.

We are open to technology partnerships, technical exchange with European elastomer manufacturers, and cooperation for complementary products in Latin America.

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