

HORIZON ELASTOMERS. Headquartered on the margins of Highway SP-270, São Paulo, Brazil, with 4.200 meters of manufacturing area.

The quality of our products and respect for the environment guarantee the satisfaction of our customers and a prominent position in the market.

CUSTOMERS

We have more than 500 active customers, served in Brazil and 10 more countries, in the Americas, Europe, Africa, Asia, and Oceania.

PERFORMANCE

We operate in the Energy, Railway, Civil Construction, Mining, Aeronautical, Naval, Automotive, PPE, Protection, Petrochemical, Basic Sanitation, Hospital and Food sectors.

MANUFACTURING LINE

We produce more than 15,000 types of rubber parts in different compounds for different applications.

WE DEVELOP FORMULATIONS WITH DIFFERENT COMPOUNDS:

Natural Rubber, Butyl, EPDM, Fluorsilicone, Neoprene, Nitrilica, SBR, Silicone e Viton.



Elastômeros	Natural	SBR	Butyl	EPDM	Neoprene	Nitrilica	Silicone	Viton	Hypalon	Poliuretano
ASTM-D-1418 Designation	NR	SBR	IIR	EPDM	CR	NBR	MQ	FPM	CSM	AU
Chemical name	Natural Rubber Poly Isoprene	Poly Styrene Butadiene	Poly Isoprene	Poly Ethylene Propylene Diene	Polychloroprene	Poly Acrylonitrile Butadiene	Poly Dimethyl	Copolymers Fluorine Carbonic	Chlorosulfonated Polyethylene	Polyurethane
ASTM-D-2000 Classification	AA	AA	AA	BA, CA ou DA	BC ou BE	BG, BF ou BK	GE, FC ou FE	HK	CE	BG
GREATER ATTRIBUTION	Resilience	General use	PR Retention	Resistance Ozone	Resistance Oil weather	Oil Resistance	Resistance Heat	Resistance Heat solvents	Ozone Resistance Weather Retention	Abrasion Resistance
FEATURES										
Shore A hardness	20 a 90	40 a 90	40 a 75	30 a 90	10 a 95	20 a 95	10 a 85	60 a 95	40 a 95	92 Shore A 72 Shore D
Temp. Minimum °C	-20	-20	-40	-60	-40	-30	-60	-70	-40	-65
Temp. Maximum °C	90	100	120	130	120	120	200	260	140	90
Adhesion to metals	Great	Great	Good	Regular	Great	Good	Good	Few	Few	Few
Tear strength	Great	Few	Good	Few	Good	Good	Few	Few	Few	Excellent
Abrasion resistance	Great	Great	Good	Good	Good	Great	Few	Regular/Good	Good	Excellent
Compression Set	Good	Good	Few	Regular	Good	Regular/Good	Good	Good	Good	Excellent
Rebound Resilience	Higher	Good	Few	Good	Good	Good	Good	Few	Good	Good
Dielectric Strength	Great	Great	Great	Great	very good	Few	Good	Good	Great	Excellent
Permeability to Gases	Good	Few	Higher	Good	Good	Good	Few	Great	Great	Good
RUPTURE VOLTAGE (Psi)										
Pure Gum	>3000	<1000	>1500	<1000	>3000	<1000	<1500	>2000	>2500	>4000
loaded with load reinforcing	>3000	>2000	>2000	>3000	>3000	>2000	>1500	>2000	>3000	-----
RESISTANCE TO ACIDS										
Diluted	Great	Regular/Good	Great	Great	Very Good	Good	Regular	Great	Great	Few
Concentrates	regular/good	Regular/Good	Great	Good	Good	Good	Regular	Great	Great	Few
RESISTANCE TO SOLVENTS										
Hydrocarbons Aliphatic (Gasoline/Naphthal)	Few	Few	Few	Few	Good	Great	Few	Great	Few	Excellent
Aromatic Hydrocarbons (Toluol/Xylol)	Few	Few	Few	Few	Few	Good	Few	Good	Few	Few
Oxygenates (Ketones, etc.)	Good	Good	Good	Good	Few	Few	Regular	Few	Few	Few
Lacquer solvents	Few	Few	Few	Good	Few	Regular	Few	Few	Few	Few
Lubricating Oils	Few	Few	Few	Few	Good	Very Good	Few	Great	Good	Excellent
RESISTANCE TO:										
Gasoline	Few	Few	Few	Few	Good	Great	Regular	Great	Good	Excellent
Animal oil	Few	Few	Very Good	Good	Good	Very Good	Good	Great	Good	Excellent
Vegetable oil	Few	Good	Good	Great	Good	Good	Great	Great	Good	Excellent
Water absorption	Very Good	Very Good	Very Good	Great	Good	Good	Great	Very Good	Good	Good/Poor
Oxidation	Good	Good	Great	Great	Good	Few	Regular	Great	Good	Excellent
Ozone	Regular	Regular	Great	Great	Good	Few	Great	Great	Great	Excellent
Heat Aging	Regular	Regular	Good	Great	Good	Boa	Great	Great	Great	Regulate
Aging in Sunlight	Few	Few	Very Good	Few	Few	Regular	Good	Very Good	Great	Good
Flame	Few	Few	Few	Few	Good	Few	Regular	Great	Good	Few
Low temperatures	Very Good	Very Good	Good	Great	Good	Regular/Good	Great	Regular/Good	Good	Excellent
Electrical Insulation	Good/Excellent	Good	Great	Very Good	Regular/Good	Few	Great	Good	Good	Regular
Vulcanization Properties	Great	Regular	Good	Very Good	Great	Great	Good	Good	Great	Excellent
Specific Density (MatterCousin)	0.93	0.94	0.92	0.86	1.23	1	1.14 - 2.00	1.85	1.12 - 1.28	1.06



QUALITY PRODUCTS AND RESPECT FOR THE ENVIRONMENT



ISO 9001:2015



ISO 14001:2015



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